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Water Resources Data for Louisiana
Water Year 1980. Volume 1
Central and Northern Louisiana

(U.S.) Geological Survey
Baton Rouge, LA

Dec 80

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16. Abstract

Water resources data for the 1980 water year for Louisiana consist of records of stage, discharge, and water quality of streams; stage, contents, and water quality of lakes and reservoirs; and water levels and water quality of ground water. This report, in three volumes, contains records for water discharge at 75 gaging stations (including stage for 71 of these stations); stage only for 38 gaging stations and 11 lakes; contents for 1 reservoir; water quality for 124 surface-water stations (including 34 gaging stations,107 miscellaneous sites, and 15 lakes), and 268 wells; and water levels for 506 observation wells. Also included are data for 271 crest-stage and flood-profile partial-record stations. Additional water data were collected at various sites not involved in the systematic data-collection program, and are published as miscellaneous measurements. Records for a few pertinent stations in bordering States are also included in this report. These data represent that part of the National Water Data System operated by the U.S. Geological Survey and cooperating State and Federal Agencies in Louisiana.

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PREFACE

This report was prepared by personnel of the Louisiana district of the Water Resources Division of the U.S. Geological Survey under the supervision of A. N. Cameron, District Chief, and Alfred Clebsch, Jr., Regional Hydrologist, Central Region. It was done in cooperation with the State of Louisiana and with other agencies.

This report is one of a series issued by State. General direction for the series is by Philip Cohen, Chief Hydrologist, U.S. Geological Survey, and Robert J. Dingman, Assistant Chief Hydrologist for Scientific Publications and Data Management.

Data for Louisiana are in three volumes as follows:

Volume 1.	Central and northern Louisiana
Volume 2.	Southern Louisiana
Volume 3.	Coastal Louisiana

PB81-171621

Water Resources Data for Louisiana

Volume 1. Central and Northern Louisiana

U.S. GEOLOGICAL SURVEY WATER-DATA REPORT LA-80-1

WATER YEAR 1980

Prepared in cooperation with the Louisiana
Department of Transportation and Development
and with other State and Federal agencies

PRODUCT OF:
NATIONAL TECHNICAL
INFORMATION SERVICE
U.S. DEPARTMENT OF COMMERCE
SPRINGFIELD, VA. 22161

CALENDAR FOR WATER YEAR 1980

1979

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1980

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UNION JUSTICE CONFIDENCE

Water Resources Data for Louisiana

Volume 1. Central and Northern Louisiana

U.S. GEOLOGICAL SURVEY WATER-DATA REPORT LA-80-1

WATER YEAR 1980

Prepared in cooperation with the Louisiana
Department of Transportation and Development
and with other State and Federal agencies

UNITED STATES DEPARTMENT OF THE INTERIOR
CECIL D. ANDRUS, Secretary

GEOLOGICAL SURVEY
H. William Menard, Director

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Baton Rouge, LA 70896

1980

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[*Letter after station name designates type of data: (d) discharge, (e) elevation, (g) gage height, (c) chemical, (b) biological, (m) microbiological, (p) pesticides, (t) water temperature, (s) sediment*]

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WATER RESOURCES DATA FOR LOUISIANA, 1980

INTRODUCTION

Water resources data for the 1980 water year for Louisiana consist of records of stage, discharge, and water quality of streams; stage, contents, and water quality of lakes and reservoirs; and water levels and water quality of ground water. This report, in three volumes, contains discharge records for 75 gaging stations; stage record for 71 of these gaging stations; stage only for 38 gaging stations; contents for 1 reservoir; stage only for 11 lakes; water quality for 124 stations; 34 of these at gaging stations: 107 miscellaneous sites, 15 lakes, and 268 wells; and water levels for 506 observation wells. Also included are 135 crest-stage partial-record stations and 136 flood-profile partial-record stations. Additional water data were collected at various sites, not involved in the systematic data-collection program, and are published as miscellaneous measurements. These data represent that part of the National Water Data System collected by the U.S. Geological Survey and cooperating State and Federal agencies in Louisiana.

Records of discharge or stage of streams, and contents or stage of lakes and reservoirs were first published in a series of U.S. Geological Survey water-supply papers entitled, "Surface Water Supply of the United States." Through September 30, 1960, these water-supply papers were in an annual series and then in a 5-year series for 1961-65 and 1966-70. Records of chemical quality, water temperatures, and suspended sediment were published from 1941 to 1970 in an annual series of water-supply papers entitled, "Quality of Surface Waters of the United States." Records of ground-water levels were published from 1935 to 1974 in a series of water-supply papers entitled, "Ground-Water Levels in the United States." Water-supply papers may be consulted in the libraries of the principal cities in the United States or may be purchased from Branch of Distribution, U.S. Geological Survey, 1200 South Eads Street, Arlington, VA 22202.

For water years 1961 through 1974, streamflow data were released by the Geological Survey in annual reports on a State-boundary basis. Water-quality records for water years 1964 through 1974 were similarly released either in separate reports or in conjunction with streamflow records. Beginning with the 1975 water year, water data for streamflow, water quality, and ground water are published as an official Survey report on a State-boundary basis. These official Survey reports carry an identification number consisting of the two-letter State abbreviation, the last two digits of the water year, and the volume number. For example, this report is identified as "U.S. Geological Survey Water-Data Report LA-80-1." Water-data reports are for sale by the National Technical Information Service, U.S. Department of Commerce, Springfield, VA 22151.

COOPERATION

The U.S. Geological Survey and organizations of the State of Louisiana have had cooperative agreements for the systematic collection of streamflow records since 1938, for ground-water levels since 1936, and for water-quality records since 1943. Organizations that assisted in collecting data through cooperative agreement with the Survey are:

Louisiana Department of Transportation and Development, Paul J. Hardy, Secretary: Office of Public Works, I. F. "Jiff" Hingle, Assistant Secretary, and Office of Highways, Neil L. Wagoner, Assistant Secretary.

Sabine River Compact Administration, composed of L. E. Carroon, Federal representative and chairman; I. F. "Jiff" Hingle and Raymond J. Palmer for Louisiana; Neilson Davis and J. M. Syler for Texas.

Capital Area Ground Water Conservation Commission, M. Clinton Sussky, chairman.

Assistance in the form of funds or services was provided by the Corps of Engineers, U.S. Army, the Department of Energy, and the Environmental Protection Agency in collection of records for 35 stage and discharge stations and 102 water-quality stations published in this report.

Organizations that supplied data are acknowledged in station descriptions.

HYDROLOGIC CONDITIONS

Monthly streamflow was generally above the long-term monthly average for the first three months of the water year, except for the lower Pearl River which was above flood stage in December 1979.

High water conditions were experienced in southeastern Louisiana during the spring. The Franklin station on the Bogue Chitto recorded a record flood elevation of 144.36 ft (NGVD) on March 30, 1980. This exceeded the previous maximum of 143.27 ft (NGVD), which occured on March 21, 1943. Pearl River at Bogalusa reached a elevation of 77.42 ft (NGVD) at a discharge of 107,000 ft^3/s on March 31, 1980. This was almost twice the previous March maximum instantaneous discharge of 19,200 ft^3/s. The Pearl River at Pearl River reached a crest of 19.86 ft (NGVD) on April 1, 1980. A discharge of 174,000 ft^3/s was measured at Interstate Highway 10.

Three significant floods occurred in the Comite and Amite River basins in March and April. Peak discharges at the key station, Amite River near Denham Springs, were 64,200 ft^3/s on March 30, 1980, 44,200 ft^3/s on April 14, 1980, and 37,200 ft^3/s on April 27, 1980. Some flooding occurred during these peak periods along the Amite River below Interstate Highway 12 and along Bayou Manchac.

The lower Mississippi River was above flood stage for only a short time in late April. The maximum daily discharge at Baton Rouge was 1,120,000 ft^3/s at a stage of 36.6 ft (NGVD) on April 15 1980.

Heavy rains occurred during mid-May in southwestern Louisiana, resulting in extreme flooding of the area from U.S. Highway 190 to the Gulf of Mexico. Gaging stations along the highway recorded peak stages second only to the historic flood of May 1953. A 24-hour rainfall of 15.67 in. was recorded on May 16, 1980 by the National Weather Service at the Lake Charles Airport station.

Deficient flow was experienced in northwestern Louisiana in August and September. The key station, Saline Bayou near Lucky, experienced a near-record minimum daily flow of 4.0 ft^3/s on August 25, 1980. The minimum daily flow since records began in 1940, is 2.4 ft^3/s and occurred on August 14, 1954. On Bayou Toro near Toro, September streamflow was only seven percent of the long-term average monthly discharge of 77.6 ft^3/s.

In northern and central Louisiana water-level trends in wells screened in the Sparta Sand and in Miocene aquifers reflected regional-decline rates of one-half to 2 ft per year. Levels in many wells reached record lows during 1980. Water-level trends in wells screened in the Wilcox, Cockfield, and alluvial aquifers mostly showed normal seasonal fluctuations. Some wells screened in the alluvial aquifers near streams that were at low stages because of the unusually dry summer had levels that were lower than normal. Water levels in wells screened in the terrace aquifers generally respond to the long-term cumulative departure from average precipitation more than to seasonal variations in rainfall, and typically showed little effects from the summer drought.

At the end of the rice-irrigation season in southwestern Louisiana, levels in observation wells in the Chicot aquifer were 1-2 ft lower than the lowest levels previously recorded in Evangeline, Jefferson Davis, and St. Landry Parishes. In the Lake Charles industrial area, water levels in wells in the "500-foot" sand were 1-5 ft higher at the end of the water year than last September; levels in wells in the "700-foot" sand were about a foot lower, and levels in wells in the "200-foot" sand reflected essentially no change. Lowest water levels in all sands of the industrial area were generally more than 10 ft above record lows. The lowest level recorded in a well in the Evangeline aquifer at Opelousas, St. Landry Parish, exceeded the previous record low by about 2 ft.

In southeastern Louisiana, water levels in wells in the Gramercy and Norco aquifers have declined slightly since the end of the 1979 water year; while higher levels were noted in several key observation wells in the Gonzales-New Orleans aquifer at New Orleans. Slight rises also occured in wells in most sands of the Baton Rouge area. Levels in wells in the "1,500-foot" sand were steady, but slight declines were registered in wells in the "2,000-foot" and "2,800-foot" sands. In the Florida Parishes, water levels in most wells were steady. However, small declines were noted locally in wells in the deep sands.

DEFINITION OF TERMS

Terms related to streamflow, water-quality, and other hydrologic data, as used in this report, are defined below. See also the table for converting inch-pound units to International System of metric units (SI) on the inside of the back cover.

Acre-foot (AC-FT, acre-ft) is the quantity of water required to cover 1 acre to a depth of 1 foot and is equivalent to 43,560 cubic feet or about 326,000 gallons or 1,233 cubic meters.

Aquifer is a geologic formation, group of formations, or part of a formation than contains sufficient saturated permeable material to yield significant quantities of water to wells and springs.

Artesian means confined and is used to describe a well in which the water level stands above the top of the aquifer tapped by the well. A flowing artesian well is one in which the water level is above the land surface.

Bacteria are microscopic unicellular organisms, typically spherical, rodlike, or spiral and threadlike in shape, often clumped into colonies. Some bacteria cause disease, others perform an essential role in nature in the recycling of materials. NOTE: The letter "K" preceding a value indicates the results are based on colony count outside the acceptable range.

Total coliform bacteria are a particular group of bacteria that are used as indicators of possible sewage pollution. They are characterized as aerobic or facultative anaerobic, gram-negative, nonspore-forming, rod-shaped bacteria which ferment lactose with gas formation within 48 hours at 35°C. In the laboratory these bacteria are defined as all the organisms that produce colonies witin 24 hours when incubated at 35°C ± 0.5°C on M-Endo medium (nutrient medium for bacterial growth). Their concentrations are expressed as number of colonies per 100 mL of sample.

Fecal coliform bacteria are bacteria that are present in the intestines or feces of warm-blooded animals. They are often used as indicators of the sanitary quality of the water. In the laboratory they are defined as all the organisms that produce blue colonies within 24 hours when incubated at 44.5°C ± 0.2°C on MFC medium (nutrient medium for bacterial growth). Their concentrations are expressed as number of colonies per 100 mL of sample.

Fecal streptococcal bacteria are bacteria found in the intestines of warm-blooded animals. Their presence in water is considered to verify fecal pollution. They are characterized as gram-positive, cocci bacteria which are capable of growth in brain-heart infusion broth. In the laboratory they are defined as all the organisms which produce red or pink colonies with 48 hours at 35°C ± 1.0°C on M-enterrococcus medium (STORET CODE 31679), or on KF agar (STORET CODE 31673). Their concentrations are expressed as number of colonies per 100 mL of sample.

Bed material is the unconsolidated material of which a streambed, lake, pond, reservoir, or estuary bottom is composed.

Biochemical oxygen demand (BOD) is a measure of the quantity of dissolved oxygen, in milligrams per liter, necessary for the decomposition of organic matter by micro-organisms, such as bacteria.

Biomass is the amount of living matter present at any given time, expressed as the mass per unit area or volume of habitat.

Ash mass is the mass or amount of residue present after the residue from the dry-mass determination has been ashed in a muffle furnace at a temperature of 500°C for 1 hour. The ash mass values of zooplankton and phytoplankton are expressed in g/m^3 (grams per cubic meter), and periphyton and benthic organisms in g/m^2 (grams per square meter).

Dry mass refers to the mass of residue present after drying in an oven at 60°C for zooplankton and 105°C for periphyton, until the mass remains unchanged. This mass represents the total organic matter, ash and sediment, in the sample. Dry-mass values are expressed in the same units as for ash mass.

Organic mass or volatile mass of the living substance is the difference between the dry and ash mass, and represents the actual mass of the living matter. The organic mass is expressed in the same units as for ash mass and dry mass.

Wet Mass is the mass of living matter plus contained water.

Bottom material: See Bed material.

Recoverable from bottom material refers to the amount of a given constituent that is in solution after a representative sample of bottom material has been digested by a method (usually using an acid or mixture of acids) that results in dissolution of only readily soluble substances. Complete dissolution of all bottom material is not achieved by the digestion treatment and thus the determination represents less than the total amount (that is, less than 95 percent) of the constituent in the sample. To achieve comparability of analytical data, equivalent digestion procedures would be required of all laboratories performing such analyses because different digestion procedures are likely to produce different analytical results.

Total in bottom material is the total amount of a given constituent in a representative sample of bottom material. This term is used only when the analytical procedure assures measurement of at least 95 percent of the constituent determined. A knowledge of the expected form of the constituent in the sample, as well as the analytical methodology used, is required to judge when the results should be reported as "total in bottom material."

Cells/volume refers to the number of cells on any organism that is counted by using a microscope and grid or counting cell. Many planktonic organisms are multicelled and are counted according to the number of contained cells per sample, usually milliliters (mL) or liters (L).

Cfs-day is the volume of water represented by flow of 1 cubic foot per second for 24 hours. It is equivalent to 86,400 cubic feet, approximately 1.9835 acre-feet, about 646,000 gallons or 2,447 cubic meters.

Chemical oxygen demand (COD) is a measure of the chemically oxidizable material in the water, and furnishes an approximation of the amount of organic and reducing material present. The determined value may correlate with natural water color or with carbonaceous organic pollution from sewage or industrial wastes.

Chlorophyll refers to the green pigments of plants. Chlorophyll a and b are the two most common pigments in plants.

Color unit is produced by one milligram per liter of platinum in the form of the chloroplatinate ion. Color is expressed in units of the platinum-cobalt scale.

Contents is the volume of water in a reservoir or lake. Unless otherwise indicated, volume is computed on the basis of a level pool and does not include bank storage.

Control designates a feature downstream from the gage that determines the stage-discharge relation at the gage. This feature may be a natural constriction of the channel, an artificial structure, or a uniform cross section over a long reach of the channel.

Control structure as used in this report is a structure on a stream or canal that is used to regulate the flow or stage of the stream or to prevent the intrusion of salt water.

Cubic feet per second (FT^3/S, ft^3/s) is the rate of discharge representing a volume of 1 cubic foot passing a given point during 1 second and is equivalent to approximately 7.48 gallons per second or 448.8 gallons per minute or 0.02832 cubic meters per second.

Cubic feet per second per square mile (CFSM) is the average number of cubic feet of water flowing per second from each square mile of area drained, assuming that the runoff is distributed uniformly in time and area.

Discharge is the volume of water (or more broadly, volume of fluid plus suspended sediment), that passes a given point within a given period of time.

Mean discharge (MEAN) is the arithmetic mean of individual daily mean discharges during a specific period.

Instantaneous discharge is the discharge at a particular instant of time.

Dissolved refers to that material in a representative water sample which passes through a 0.45-micrometer membrane filter. This is a convient operational definition used by Federal agencies that collect water data. Determinations of "dissolved" constituents are made on subsamples of the filtrate.

Diversity index is a numerical expression of evenness of distribution of aquatic organisms. The formula for diversity index is:

$$\bar{d} = -\sum_{i=1}^{s} \frac{n_i}{n} \log_2 \frac{n_i}{n}$$

Where n_i is the number of individuals per taxon, n is the total number of individuals, and s is the total number of taxa in the sample of the community. Diversity index values range from zero, when all the organisms in the sample are the same, to some positive number, when some or all of the organisms in the sample are different.

Drainage area of a stream at a specific location is that area, measured in a horizontal plane, enclosed by a topographic divide from which direct surface runoff from precipitation normally drains by gravity into the river above the specified point. Figures of drainage area given herein include all closed basins, or noncontribution area, within the area unless otherwise noted.

Drainage basin is a part of the surface of the earth that is occupied by a drainage system, which consists of a surface stream or a body of impounded surface water.

Elutriate is the supernatant resulting from the vigorous 30-minute shaking of 1 part bottom sediment with 4 parts water from the proposed disposal site followed by 1 hour of letting the mixture settle and appropriate filtration or centrifugation.

Gage height (G.H.) is the water-surface elevation referred to some arbitrary gage datum. Gage height is often used interchangeably with the more general term "stage," although gage height is more appropriate when used with a reading on a gage.

Gaging station is a particular site on a stream, canal, lake, or reservoir where systematic observations of hydrologic data are obtained.

Hardness of water is a physical-chemical characteristic that is commonly recognized by the increased quantity of soap required to produce lather. It is attributable to the presence of alkaline earths (princially calcium and magnesium) and is expressed as equivalent calcium carbonate ($CaCO_3$).

Hydrologic unit is a geographic area representing part or all of a surface drainage basin or distinct hydrologic feature as delineated by the Office of Water Data Coordination on the State Hydrologic Unit Maps; each hydrologic unit is identified by an 8-digit number.

Land-surface datum (LSD) is a datum plane that is approximately at land surface at each well.

Methylene blue active substance (MBAS) is a measure of apparent detergents. This determination depends on the formation of a blue color when methylene blue dye reacts with synthetic detergent compounds.

Micrograms per gram (μg/g) is a unit expressing the concentration of a chemical element as the mass (micrograms) of the element sorbed per unit mass (gram) of sediment.

Micrograms per kilogram (μg/kg) is a unit expressing the concentration of a chemical element as the mass (micrograms) of the element sorbed per unit mass (kilogram) of sediment.

Micrograms per liter (μg/l) is a unit expressing the concentration of chemical constituents in solution. Micrograms per liter represent the mass of solute per unit volume (liter) of water.

Milligrams per liter (MG/L, mg/L) is a unit expressing the concentration of chemical constituents in solution. Milligrams per liter represent the mass of solute per unit volume (liter) of water. Concentration of suspended sediment also is expressed in mg/L, and is based of the mass of sediment per liter of water-sediment mixture.

National Geodetic Vertical Datum of 1929 (NGVD) is a geodetic datum derived from a general adjustment of the first order level nets of both the United States and Canada. It was formerly called "Sea Level Datum of 1929" or "mean sea level" in this series of reports. Although the datum was derived from the average sea level over a period of many years at 26 tide stations along the Atlantic, Gulf of Mexico, and Pacific Coasts, it does not necessarily represent local mean sea level at any particular place.

Organism is any living entity, such as an insect, phytoplankter, or zooplankter.

Organism count/volume refers to the number of organisms collected and enumerated in a sample and adjusted to the number per sample volume, usually milliliters (mL) or liters (L). Numbers of planktonic organisms can be expressed in these terms.

Total organism count is the total number of organisms collected and enumerated in any particular sample.

Partial-record station is a particular site where limited streamflow and/or water-quality data are collected systematically over a period of years for use in hydrologic analyses.

Particle-size is the diameter, in millimeters (mm), of suspended sediment or bed material determined by either sieve or sedimentation methods. Sedimentation methods (pipet, bottom-withdrawal tube, visual-accumulation tube) determine fall diameter of particles in either distilled water (chemically dispersed) or in native water (the river water at the time and point of sampling).

Particle-size classification used in this report agrees with recommendations made by the American Geophysical Union Subcommittee on Sediment Terminology.

The classification is as follows:

Classification	Size (mm)	Method of analysis
Clay..........	0.00024- 0.004	Sedimentation.
Silt..........	.004 - .062	Sedimentation.
Sand..........	.062 - 2.0	Sedimentation or sieve.
Gravel........	2.0 - 64.0	Sieve.

The particle-size distributions given in this report are not necessarily representative of all particles in transport in the stream. Most of the organic material is removed and the sample is subjected to mechanical and chemical dispersion before analysis in distilled water. Chemical dispersion is not used for native-water analysis.

Percent composition is a unit expressing the ratio of a particular part of a sample or population to the total sample or population, in terms of types, numbers, mass or volume.

Pesticides are chemical compounds used to control the growth of undesirable plants and animals. Major categories of pesticides include insecticides, miticides, fungicides, herbicides, and rodenticides.

Insecticides are substances or a mixture of substances intended to prevent, destroy, or repel insects. The technical names for insecticides determined in this report are:

Aldrin 1,2,3,4,10,10-hexachloro-1,4,4a,5,8,8a-hexahydro-endo, exo-1,4:5,8-dimethanonaphthalene.

Chlordane 1,2,4,5,6,7,8,8-octachloro-3a,4,7,7a-tetrahydro-4,7-methanoindan.

DDD (combination of ortho and para isomers)

o,p'-DDD 1,1-dichloro-2-(o-chlorophenyl)-2-(p-chlorophenyl)-ethane,

p,p'-DDD 1,1-dichloro-2,2-bis(p-chlorophenyl)ethane.

DDE (combination of ortho and para isomers)

o,p'-DDE 1,1-dichloro-2-(o-chlorophenyl)-2-(p-chlorophenyl)-ethylene,

p,p'-DDE 1,1-dichloro-2-bis(p-chlorophenyl)ethylene.

DDT (combination of ortho and para isomers)

o,p'-DDT 1,1,1-trichloro-2-(o-chlorophenyl)-2-(p-chlorophenyl)-ethane,

p,p'-DDT 1,1,1-trichloro-2,2-bis(p-chlorophenyl)ethane.

Diazinon 0,0-diethyl 0-2-isopropyl-4-methyl-6-pyrimidyl thiophosphate.

Dieldrin 1,2,3,4,10,10-hexachloro-6,7-epoxy-1,4,4a,5,6,7,8,8a-octahydro-endo,exo-1,4:5,8-dimethanonaphthalene.

Endosulfan 1,4,5,6,7,7-hexachloro-5-norbornene-2,3-dimethanol cyclic sulfite.

Endrin 1,2,3,4,10,10-hexachloro-6,7-epoxy-1,4,4a,5,6,7,8,8a-octahydro-endo,endo-1,4:5,8-dimethanonaphthalene.

Ethion 0,0,0',0'-tetraethyl S,S'methylenediphosphorodithioate.

Heptachlor 1,4,5,6,7,8,8-heptachloro-3a,4,7,7a-tetrahydro-4,7-methanoindene.

Heptachlor epoxide 1,4,5,6,7,8,8-heptachloro-2,3-epoxy-3a,4,7,7a-tetrahydro-4,7-methanoindan.

Lindane 1,2,3,4,5,6-hexachlorocyclohexane, 99 percent or more of gamma-isomer.

Malathion S-(1,2-dicarbethoxyethyl) 0,0-dimethyldithiophosphate.

Methyl parathion 0,0-dimethyl 0-p-nitrophenyl phosphorothioate.

Methyl trithion phosphorodithioic acid S-[[(4-chlorophenyl) thio]-methyl] 0,0-dimethyl ester.

Methoxychlor 1,1,1-trichloro-2,2-bis(p-methoxyphenyl)ethane.

Mirex 1,1a,2,2,3,3a,4,5,5,5a,5b,6-dodecachlorooctahydro-1,3,4-metheno-1H-cyclobuta[cd]pentalene.

Parathion 0,0-diethyl 0-p-nitrophenyl phosphorothioate.

Perthane 1,1'-(2,2-dichloroethylidene)bis[4-ethylbenzene].

Toxaphene chlorinated camphene containing 67-69 percent chlorine by weight.

Trithion phosphorodithioic acid S-[[(4-chlorophenyl)thio] methyl] 0,0-diethyl ester.

Herbicides are substances or a mixture of substances intended to control or destroy any vegetation. The technical names for herbicides determined in this report are:

2,4-D (2,4-dichlorophenoxy)acetic acid.
2,4,5-T (2,4,5-trichlorophenoxy)acetic acid.
Silvex 2-(2,4,5-trichlorophenoxy)propionic acid.

Picocurie (PC, pCi) is one trillionth (1×10^{-12}) of the amount of radioactivity represented by a curie (Ci). A curie is the amount of radioactivity that yields 3.7×10^{10} radioactive disintegrations per second. A picocurie yields 2.2 dpm (disintegrations per minute).

Plankton is the community of suspended, floating, or weakly swimming organisms that live in the open water of lakes and rivers.

Phytoplankton is the plant part of the plankton. They are usually microscopic and their movement is subject to the watercurrents. Phytoplankton growth is dependent upon solar radiation and nutrient substances. Because they are able to incorporate as well as release materials to the surrounding water, the phytoplankton have a profound effect upon the quality of the water. They are the primary food producers in the aquatic environment, and are commonly known as algae.

Blue-green algae are a group of phytoplankton organisms having a blue pigment, in addition to the green pigment called chlorophyll. Blue-green algae often cause nuisance conditions in water.

Diatoms are the unicellular or colonial algae having a siliceous shell. Their concentrations are expressed as number of cells/mL of sample.

Green algae have chlorophyll pigments similar in color to those of higher green plants. Some forms produce algal mats or floating "moss" in lakes. Their concentrations are expressed as number of cells/mL of sample.

Zooplankton is the animal part of the plankton. Zooplankton are capable of extensive movements within the water column, and are often large enough to be seen with the unaided eye. Zooplankton are secondary consumers feeding upon bacteria, phytoplankton, and detritus. Because they are the grazers in the aquatic environment, the zooplankton are a vital part of the aquatic food web. The zooplankton community is dominated by small crustaceans and rotifers.

Polychlorinated biphenyls (PCBs) are industrial chemicals that are mixtures of chlorinated biphenyl compounds having various percentages of chlorine. They are similar in structure to organochlorine insecticides.

Polychlorinated napthalenes (PCNs) are industrial chemicals that are mixtures of chlorinated napthalene compounds having various percentages of chlorine.

Runoff in inches (IN., in.) shows the depth to which the drainage area would be covered if all the runoff for a given time period were uniformly distributed on it.

Sediment is solid material that originates mostly from disintegrated rocks and is transported by, suspended in, or deposited from water; it includes chemical and biochemical precipitates and decomposed organic material, such as humus. The quantity, characteristics, and cause of the occurence of sediment in streams are influenced by environmental factors. Some major factors are degree of slope, length of slope, soil characteristics, land usage, and quantity and intensity of precipitation.

Suspended sediment is the sediment that at any given time is maintained in suspension by the upward components of turbulentcurrents or that exists in suspension as colloid.

Suspended-sediment concentration is the velocity-weighted concentration of suspended sediment in the sampled zone (from the water surface to a point approximately 0.3 ft above the bed) expressed as milligrams of dry sediment per liter of water-sediment mixture (mg/L).

Suspended-sediment discharge (tons/day) is the rate at which dry weight of sediment passes a section of a stream or is the quantity of sediment, as measured by dry weight or volume, that passes a section in a given time. It is computed by multiplying discharge times mg/L times 0.0027.

Suspended-sediment load is the quantity of suspended sediment passing a section in a specified period.

Total sediment discharge (tons/day) is the sum of the suspended-sediment discharge and the bed-load discharge. It is the total quantity of sediment, as measured by dry weight or volume, that passes a section during a given time.

Mean concentration is the time-weighted concentration of suspended sediment passing a stream section during a 24-hour day.

Solute is any substance derived from the atmosphere, vegetation, soil, or rocks that is dissolved in water.

Specific conductance is a measure of the ability of a water to conduct an electrical current. It is expressed in micromhos per centimeter at 25°C. Specific conductance is related to the type and concentration of ions in solution and can be used for approximating the dissolved-solids content of the water. Commonly, the concentration of dissolved solids (in milligrams per liter) is about 65 percent of the specific conductance (in micromhos). This relation is not constant from stream to stream, and it may vary in the same source with changes in the composition of the water.

Stage-discharge relation is the relation between gage height (stage) and volume of water per unit of time, flowing in a channel.

Streamflow is the discharge that occurs in a natural channel. Although the term "discharge" can be applied to the flow of a canal, the word "streamflow" uniquely describes the discharge in a surface stream course. The term "streamflow" is more general than "runoff" as streamflow may be applied to discharge whether or not it is affected by diversion or regulation.

Substrate is the physical surface upon which an organism lived.

Natural substrates refers to any naturally occurring emersed or submersed solid surface, such as a rock or tree, upon which an organism lived.

Artificial substrate is a device which is purposely placed in a stream or lake for colonization of organisms. The artificial substrate simplified the community structure by standardizing the substrate from which each sample is taken. Examples of artificial substrates are basket samplers (made of wire cages filled with clean streamside rocks) and multi-plate samplers (made of hardboard) for benthic organism collection, and plexiglass strips for periphyton collection.

Surface area of a lake is that area outlined on the latest U.S.G.S. topographic map as the boundary of the lake and measured by a planimeter in acres. In localities not covered by topographic maps, the areas are computed from the best maps available at the time planimetered. All areas shown are those for the stage when the planimetered map was made.

Surficial bed material is that part (0.1 to 0.2 ft) of the bed material that is sampled using U.S. Series Bed-Material Samplers.

Suspended (as used in tables of chemical analyses) refers to the amount (concentration) of the total concentration in a water-sediment mixture. The water-sediment mixture is associated with (or sorbed on) that material retained on a 0.45-micrometer membrane filter.

Suspended, recoverable is the amount of a given constituent that is in solution after the part of a representative water-suspended sediment sample that is retained on a 0.45-micrometer membrane filter has been digested by a method (usually using a dilute acid solution) that results in dissolution of only readily soluble substances. Complete dissolution of all the particulate matter is not achieved by the digestion treatment and thus the determination represents something less than the "total" amount (that is, less that 95 percent) of the constituent present in the sample. To achieve comparability of analytical data, equivalent digestion procedures would be required of all laboratories performing such analyses because different digestion procedures are likely to produce different analytical results.

Determinations of "suspended, recoverable" constituents are made either by analyzing portions of the material collected on the filter or, more commonly, by difference, based on determinations of (1) dissolved and (2) total recoverable concentrations of the constituent.

Suspended, total is the total amount of a given constituent in the part of a representative water-suspended sediment sample that is retained on a 0.45-micrometer membrane filter. This term is used only when the analytical procedure assures measurement of at least 95 percent of the constituent determined. A knowledge of the expected form of the constituent in the sample, as well as the analytical methodology used, is required to determine when the results should be reported as "suspended, total."

Determinations of "suspended, total" constituents are made either by analyzing portions of the material collected on the filter or, more commonly, by difference, based on determinations of (1) dissolved and (2) total concentrations of the constituent.

Time-weighted average is computed by multiplying the number of days in the sampling period by the concentrations of individual constituents for the corresponding period and dividing the sum of the products by the total number of days. A time-weighted average represents the composition of water that would be contained in a vessel or reservoir that had received equal quantities of water from the stream each day for the year.

Tons per acre-foot indicates the dry mass of dissolved solids in 1 acre-foot of water. It is computed by multiplying the concentration in milligrams per liter by 0.00136.

Tons per day is the quantity of substance in solution or suspension that passes a stream section during a 24-hour day.

Total refers to the total amount of a given constituent in a representative water-suspended sediment sample, regardless of the constituent's physical or chemical form. This term is used only when the analytical procedure assures measurement of at least 95 percent of the constituent present in both the dissolved and suspended phases of the sample. A knowledge of the expected form of the constituent in the sample, as well as the analytical methodology used, is required to judge when the results should be reported as "total." (Note that the word "total" does double duty here, indicating both that the sample consists of a water-suspended sedimemt mixture and that the analytical method determines all of the constituent in the sample.)

Total load (tons) is the total quantity of any individual constituent, as measured by dry mass or volume, that is dissolved in a specific amount of water (discharge) during a given time. It is computed by multiplying the total discharge, times the mg/L of the constituent, times the factor 0.0027, times the number of days.

Total recoverable is the amount of a given constituent that is in solution after a representative water-suspended sediment sample has been digested by a method (usually using a dilute acid solution) that results in dissolution of only readily soluble substances. Complete dissolution of all particulate matter is not achieved by the digestion treatment, and thus the determination represents something less than the "total" amount (that is, less than 95 percent) of the constituent present in the dissolved and suspended phases of the sample. To achieve comparability of analytical data, equivalent digestion procedures would be required of all laboratories performing such analyses because different digestion precedures are likely to produce different analytical results.

Taxonomy is the division of biology concerned with the classification and naming of organisms. The classification of organisms is based upon a hierarchical scheme beginning with Kingdom and ending with Species at the base. The higher the classification level, the fewer features the organisms have in common. For example, the taxonomy of a particular mayfly, Hexagenia limbata is the following:

Kingdom	Animal
Phylum	Arthropoda
Class	Insecta
Order	Ephemeroptera
Family	Ephemeridae
Genus	Hexagenia
Species	Hexagenia limbata

Weighted average is used in this report to indicate discharge-weighted average. It is computed by multiplying the discharge for a sampling period by the concentrations of individual constituents for the corresponding period and dividing the sum of the products by the sum of the discharges. A discharge-weighted average approximates the composition of water that would be found in a reservoir containing all the water passing a given location during the water year after thorough mixing in the reservoir.

WRD is used as an abbreviation for "Water-Resources Data" in the REVISED RECORDS paragraph to State annual basic-data reports published before 1975.

WSP is used as an abbreviation for "Water-Supply Paper" in references to previously published reports.

DOWNSTREAM ORDER AND STATION NUMBER

Since October 1, 1950, the order of listing hydrologic-station records in Survey reports is in a downstream direction along the main stream. All stations on a tributary entering upstream from a main-stream station are listed before that station. A station on a tributary that enters between two main-stream stations is listed between them. A similar order is followed in listing stations on first rank, second rank, and other ranks of tributaries. The rank of any tributary on which a station is situated with respect to the stream to which it is immediately tributary is indicated by an indention in a list of stations in the front of the report. Each indention represents one rank. This downstream order and system of indention show which stations are on tributaries between any two stations and the rank of the tributary on which each station is situated.

As an added means of identification, each hydrologic station and partial-record station has been assigned a station number. These are in the same downstream order used in this report. In assigning station numbers, no distinction is made between partial-record stations and other stations; therefore, the station number for a partial-record station indicates downstream-order position in a list made up of both types of stations. Gaps are left in the series of numbers to allow for new stations that may be established; hence, the numbers are not consecutive. The complete 8-digit number for each station such as 02489500, which appears just to the left of the station name, includes the 2-digit part number "02" plus the 6-digit downstream order number "489500". Records in this report are in Part 2 (South Atlantic Slope and Eastern Gulf of Mexico basin), Part 7 (Lower Mississippi River basin) and Part 8 (Western Gulf of Mexico basin).

NUMBERING SYSTEM FOR WELLS AND MISCELLANEOUS SITES

The 8-digit downstream order station numbers are not assigned to wells and miscellaneous sites where only random water-quality samples or discharge measurements are taken.

The well and miscellaneous site numbering system of the U.S. Geological Survey is based on the grid system of latitude and longitude. The system provides the geographic location of the well or miscellaneous site and a unique number for each site. The number consists of 15 digits. The first 6 digits denote the degrees, minutes, and seconds of latitude, the next 7 digits denote degrees, minutes, and seconds of longitude, and the last 2 digits (assigned sequentially) identify the wells or other sites within a 1-second grid. See figure 1, following. In Louisiana, wells are further identified by a local well number that consists of a letter code that identifies the parish (county) in which the well is located, followed by a serial number assigned when the well was inventoried.

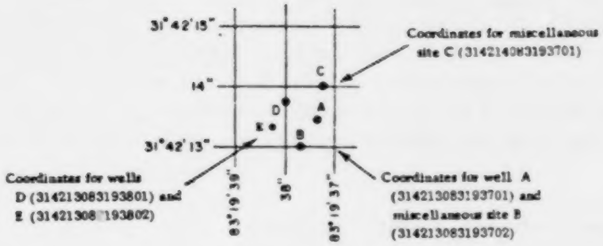
31°42'15"
14"
31°42'13"
C
D
A
E
B
83°19'39"
38"
83°19'37"
Coordinates for miscellaneous site C (314214083193701)
Coordinates for wells D (314213083193801) and E (31421308 193802)
Coordinates for well A (314213083193701) and miscellaneous site B (314213083193702)

Figure 1. System for numbering wells and miscellaneous sites (latitude and longitude)

SPECIAL NETWORKS AND PROGRAMS

Hydrologic bench-mark station is one that provides hydrologic data for a basin in which the hydrologic regimen will likely be governed solely by natural conditions. Data collected at a bench-mark station may be used to separate effects of natural from manmade changes in other basins which have been developed and in which the physiography, climate, and geology are similar to those in the undeveloped bench-mark basin.

National stream-quality accounting network (NASQAN) is a data-collection network designated by the U.S. Geological Survey to meet many of the demands of agencies or groups involved in national or regional water-quality planning and management. Both accounting and broad-scale monitoring objectives have been incorporated into the network design. Areal configuration of the network is based on river-basin accounting units (identified by 8-digit hydrologic-unit numbers) designated by the Office of Water Data Coordination in consultation with the Water Resources Council. Primary objectives of the network are (1) to depict areal varibility of streamflow and water-quality conditions nationwide on a year-by-year basis and (2) to detect and assess long-term changes in streamflow and stream quality.

Pesticide program is a network of regularly sampled water-quality stations where samples are collected to determine the concentration and distribution of pesticides in streams where potential contamination could result from the application of the commonly used insecticides and herbicides. Operation of the network is a Federal interagency activity.

Radiochemical program is a network of regularly sampled water-quality stations where samples are collected to be analyzed for radioisotopes. The streams that are sampled represent major drainage basins in the conterminous United States.

Tritium network is a network of stations which has been established to provide baseline information on the occurrence of tritium in the Nation's surface waters. In addition to the surface-water stations in the network, tritium data are also obtained at a number of precipitation stations. The purpose of the precipitation stations is to provide an estimate sufficient for hydrologic studies of the tritium input to the United States.

EXPLANATION OF STAGE AND WATER-DISCHARGE RECORDS

Collection and Computation of Data

The base data collected at gaging stations consist of records of stage and measurements of discharge of streams or canals, and stage, surface area, and contents of lakes or reservoirs. In addition, observations of factors affecting the stage-discharge relation or the stage-capacity relation, weather records, and other information are used to supplement base data in determining the daily flow or volume of water in storage. Records of stage are obtained from either direct readings on a nonrecording gage or from a water-stage recorder that gives either a continuous graph of the fluctuations or a tape punched at selected time intervals. Measurements of discharge are made with a current meter, using the general methods adopted by the Geological Survey. These methods are described in standard text-books, in Water-Supply Paper 888, and in the U.S. Geological Survey Techniques of Water Resources Investigations, book 3, chapter A6.

For stream-gaging stations, rating tables giving the discharge for any stage are prepared from stage-discharge relation curves. If extensions to the rating curves are necessary to express discharge greater than measured, they are made on the basis of indirect measurements of peak discharge (such as slope-area or contracted-opening measurements, computation of flow over dams or weirs), step-backwater techniques, velocity-area studies, and logarithmic plotting. The daily mean discharge is computed from gage heights and rating tables, then the monthly and yearly mean discharge are computed from the daily figures. If the stage-discharge relation is subject to change because of frequent or continual change in the physical features that form the control, the daily mean discharge is computed by the shifting-control method, in which correction factors based on individual discharge measurements and notes by engineers and observers are used in applying the gage heights to the rating tables. If the stage-discharge relation for a station is temporarily changed by the presence of aquatic growth or debris on the control, the daily mean discharge is computed by what is basically the shifting-control method.

At some stream-gaging stations the stage-discharge relation is affected by the backwater from reservoirs, tributary streams, or other sources. This necessitates the use of the slope method in which the slope or fall in a reach of the stream is a factor in computing discharge. The slope or fall is obtained by means of an auxiliary gage set at some distance from the base gage. At some stations the stage-discharge relation is affected by changing stage; at these stations the rate of change in stage is used as a factor in computing discharge.

For a reservoir station, capacity tables giving the contents for any stage are prepared from stage-area relation curves defined by surveys. The application of the stage to the capacity table gives the contents, from which the daily, monthly, or yearly change in contents is computed.

If the stage-capacity curve is subject to changes because of deposition of sediment in the reservoir, periodic resurveys of the reservoir are necessary to define new stage-capacity curves. During the period between reservoir surveys the computed contents may be increasingly in error due to the gradual accumulation of sediment.

For some gaging stations there are periods when no gage-height record is obtained or the recorded gage height is so faulty that it cannot be used to compute daily discharge or contents. This happens when the recorder stops or otherwise fails to operate properly, intakes are plugged, or for various other reasons. For such periods the daily discharges are estimated on the basis of recorded range in stage, prior and subsequent records, discharge measurements, weather records, and comparison with records for other stations in the same or nearby basins. Likewise daily contents may be estimated on the basis of operator's log, prior and subsequent records, inflow-outflow studies, and other information.

The data in this report generally comprise a description of the station and tabulations of daily and monthly figures. For gaging stations on streams or canals a table showing the daily discharge and monthly and yearly discharge is given. For gaging stations on lakes and reservoirs a monthly summary table of stage and contents or a table showing the daily contents is given. Tables of daily mean gage heights are included for some streamflow stations. Records are published for the water year, which begins on October 1 and ends on September 30.

The description of the gaging station gives the location, drainage area, period of record, notations of revisions of previously published records, type and history of gages, general remarks, average discharge, and extremes of discharge or contents. The location of the gaging station and the drainage area are obtained from the most accurate maps available. River milage, given under "LOCATION" for some stations, is that determined and used by the Corps of Engineers or other agencies. Periods for which there are published records for the present station or for stations generally equivalent to the present one are given under "PERIOD OF RECORD."

Previously published streamflow records of some stations have been found to be in error on the basis of data or information later obtained. Revisions of such records are usually published along with the current records in one of the annual or compilation reports. In order to make it easier to find such revised records, a paragraph headed "REVISED RECORDS" has been added to the description of all stations for which revised records have been published. Listed therein are all the reports in which revisions have been published, each followed by the water years for which the figures are revised in that report. In listing the water years only one number is given; for instance, 1965 stands for the water year October 1, 1964, to September 30, 1965. If no daily, monthly, or annual figures of discharge are affected by the revisions, the fact is brought out by notations after the year dates as follows: "(M)" means that only the instantaneous maximum discharge was revised; "(m)" that only the instantaneous minimum was revised; and "(P)" that only peak discharges were revised. If the drainage area has been revised, the report in which the revised figure was first published is given. It should be noted that for all stations for which cubic feet per second per square mile and runoff in inches are published, a revision of the drainage area necessitates corresponding revision of all figures based on the drainage area. Revised figures of cubic feet per second per square mile and runoff in inches resulting from a revision of the drainage area only are usually not published in the annual series of report.

The type of gage currently in use, the datum of the present gage referred to National Geodetic Vertical Datum, and a condensed history of the types, locations, and datums of previous gages used during the period of record are given under "GAGE". National Geodetic Vertical Datum is explained in "DEFINITION OF TERMS" on page 4.

Information pertaining to the accuracy of the discharge records and to conditions which affect the natural flow at the gaging station is given under "REMARKS." For reservoir stations information on the dam forming the reservoir, the capacity, outlet works and spillway, and purpose and use of the reservoir is given under "REMARKS."

The average discharge for the number of years indicated is given under "AVERAGE DISCHARGE"; it is not given for stations having fewer than five complete years of record or for stations where changes in water development during the period of record cause the figure to have little significance. Under "EXTREMES" are given first, the extremes for the period of record, second, information available outside the period of record, and last, those for the current year. Unless otherwise qualified, the maximum discharge (or contents) is the instantaneous maximum corresponding to the crest stage obtained by use of a water-stage recorder (graphic or digital), a crest-stage gage, or a nonrecording gage read at the time of the crest. If the maximum gage height did not occur on the same day as the maximum discharge (or contents), it is given separately. Similarly, the minimum is the instantaneous minimum unless otherwise qualified. For some stations peak discharges are listed with "EXTREMES FOR THE CURRENT YEAR"; if they are, all independent peaks, including the maximum for the year, above the selected base with the time of occurrence and corresponding gage heights are published in tabular format. The base discharge, which is given in the table heading, is selected so that an average of about three peaks a year will be presented. Peak discharges are not published for any canals, ditches, drains, or for any stream for which the peaks are subject to substantial control by man. Time of day is expressed in 24-hour local standard time; for example, 12:30 a.m. is 0030, 1:30 p.m. is 1330. The minimums for these stations are published in a separate paragraph following the table of peaks.

The daily table for stream-gaging stations gives the mean discharge for each day and is followed by monthly and yearly summaries. In the monthly summary below the daily table, the line headed "TOTAL" gives the sum of the daily figures. The line headed "MEAN" gives the average flow in cubic feet per second during the month. The lines headed "MAX" and "MIN" give the maximum and minimum daily discharges, respectively, for the month. Discharge for the month also may by expressed in cubic feet per second per square mile (line headed "CFSM"), or in inches (line headed "IN"), or in acre-feet (line headed "AC-FT"). Figures for cubic feet per second per square mile and runoff in inches are omitted if there is extensive regulation or diversion, if the drainage area includes large noncontributing areas, or if the average annual rainfall over the drainage basin is usually less than 20 in. In the yearly summary below the monthly summary, the figures shown are the appropriate daily discharges for the calendar and water years.

Footnotes to the table of daily discharge are introduced by the word "NOTE." Footnotes are used to indicate periods for which the discharge is computed or estimated by special methods because of no gage-height record, backwater from various sources, or other unusual conditions. Periods of no gage-height record are indicated if the period is continuous for a month or more or includes the maximum discharge for the year. Periods of backwater from an unusual source, of indefinite stage-relation, or of any other unusual condition at the gage site are indicated only if they are a month or more in length and the accuracy of the records is affected. Days on which the stage-discharge relation is affected by ice are not indicated. The methods used in computing discharge for various unusual conditions have been explained in preceding paragraphs.

For most gaging stations on lakes and reservoirs the data presented comprise a description of the station and a monthly summary table of stage and contents. For some reservoirs a table showing daily contents or stage is given. A skeleton table of capacity at given stages is published for all reservoirs for which records are published on a daily basis, but is not published for reservoirs for which only monthly data are given.

Data collected at partial-record stations follow the information for continuous-record sites. Data for partial-record discharge stations are presented in three tables. The first is a table of annual maximum stage and discharge at crest-stage stations, the second is a table of discharge measurements at miscellaneous sites, and the third is a table of peak elevations at flood-profile partial-record stations.

Accuracy of Field Data and Computed Results

The accuracy of streamflow data depends primarily on (1) the stability of the stage-discharge relation or, if the control is unstable, the frequency of discharge measurements, and (2) the accuracy of observations of stage, measurements of discharge, and interpretations of records.

The station description under "REMARKS" states the degree of accuracy of the records. "Excellent" means that about 95 percent of the daily discharges are within 5 percent; "good", within 10 percent; and "fair" within 15 percent. "Poor" means that daily discharges have less than "fair" accuracy.

Figures of daily mean discharge in this report are shown to the nearest hundredth of a cubic foot per second for discharges of less than 1 cfs; to tenths between 1.0 and 10 cfs; to whole numbers between 10 and 1,000 cfs; and to 3 significant figures above 1,000 cfs. The number of significant figures used is based solely on the magnitude of the figure. The same rounding rules apply to discharge figures listed for partial-record stations.

Discharge at many stations, as indicated by the monthly mean, may not reflect natural runoff due to the effect of diversion, consumption, regulation by storage, increase or decrease in evaporation due to artificial causes, or to other factors. For such stations, figures of cubic feet per second per square mile and of runoff in inches are not published unless satisfactory adjustments can be made for diversions, for changes in contents of reservoirs, or for other changes incident to use and control. Evaporation from a reservoir is not included in the adjustments for changes in reservoir contents, unless it is so stated. Even at those stations where adjustments are made, large errors in computed runoff may occur if adjustments or losses are large in comparison with the observed discharge.

Other Data Available

Information of a more detailed nature than that published for most of the gaging stations such as observations of water temperatures, discharge measurements, gage-height records, and rating tables is on file in the district office. Also, most gaging-station records are available in computer-usable form and many statistical analyses have been made.

Information on the availability of unpublished data or statistical analyses may be obtained from the district office.

Records of Discharge Collected by Agencies other than the Geological Survey

Records of discharge not published by the Geological Survey were collected during water year 1980 at sites in Louisiana by the Corps of Engineers, U.S. Army. The National Water Data Exchange, Water Resources Division, U.S. Geological Survey, National Center, Reston, VA 22092, maintains an index of such sites. Information on records available at specific sites can be obtained upon request.

EXPLANATION OF WATER-QUALITY RECORDS

Collection and Examination of Data

Surface-water samples for analyses usually are collected at or near gaging stations. The quality-of-water records are given immediately following the discharge records at these stations.

The descriptive heading for water-quality records gives periods of record for the various types of water-quality data (chemical, specific conductance, water temperatures, sediment discharge), extremes of pertinent data, and general remarks.

For ground-water records, no descriptive statements are given; however, the well number, depth of well, date of sampling, and geologic unit (aquifer) are given in the table containing the chemical analyses of the ground water.

Water Analysis

Most methods for collecting and analyzing water samples are described in the U.S. Geological Survey Techniques of Water-Resources Investigations listed on a following page.

One sample can define adequately the water quality at a given time if the mixture of solutes throughout the stream cross section is homogeneous. However, the concentration of solutes at different locations in the cross section may vary widely with different rates of water discharge, depending on the source of material and the turbulence and mixing of the stream. Some streams must be sampled through several vertical sections to obtain a representative sample needed for an accurate mean concentration and for use in calculating load.

Chemical-quality data published in this report are considered to be the most representative values available for the stations listed. The values reported represent water-quality conditions at the time of sampling as much as possible, consistent with available sampling techniques and methods of analysis. In the rare case where an apparent inconsistency exists between a reported pH value and the relative abundance of carbon dioxide species (carbonate and bicarbonate), the inconsistency is the result of a slight uptake of carbon dioxide from the air by the sample between measurement of pH in the field and determination of carbonate and bicarbonate in the laboratory.

For chemical-quality stations equiped with digital monitors, the records consist of daily maximum, minimum, and mean values for each constituent measured and are based upon hourly punches beginning at 0100 hours and ending at 2400 hours for the day of record. More detailed records (hourly values) may be obtained from the district office.

Water Temperature

Water temperatures are measured at most of the water-quality stations. In addition, water temperatures are taken at time of discharge measurements for water-discharge stations. For stations where water temperatures are taken manually once daily, the water temperatures are taken at about the same time each day. Large streams have a small diurnal temperature change; shallow streams may have a daily range of several degrees and may follow closely the changes in air temperature. Some streams may be affected by waste-heat discharge.

At stations where recording instruments are used, either mean temperatures or maximum and minimim temperatures for each day are published.

Sediment

Suspended-sediment concentrations are determined from samples collected by using depth-integrating samplers or point samplers. Samples usually are obtained along several vertical lines in the cross section, or a single sample may be obtained at a fixed point and a coefficient applied to determine the mean concentration in the cross sections.

During periods of rapidly changing flow or rapidly changing concentration, samples may have been collected more frequently (twice daily or, in some instances, hourly). The published sediment discharges for days of rapidly changing flow or concentration were computed by the subdivided-day method (time-discharge weighted average). Therefore, for those days when the published sediment discharge value differs from the value computed as the product of discharge times mean concentration times 0.0027, the reader can assume that the sediment discharge for that day was computed by the subdivided day method. For periods when no samples were collected, daily loads of suspended sediment were estimated on the basis of water discharge, sediment concentrations observed immediately before and after the periods, and suspended-sediment loads for other periods of similar discharge.

At other stations, suspended-sediment samples were collected periodically at many verticals in the stream cross section. Although data collected periodically may represent conditions only at the time of observations, such data are useful in establishing seasonal relations between quality and streamflow in predicting long-term sediment-discharge characteristics of the stream.

In addition to the records of the quantities of suspended sediment, records of the periodic measurements for the particle-size distribution of the suspended sediment and bed material are included.

EXPLANATION OF GROUND-WATER-LEVEL RECORDS

Collection of the Data

Ground-water-level data from the State network of observation wells are published herein. This basic network contains observation wells so located that significant areal data are obtained from the most important aquifers.

Each well is identified by (1) a 15-digit number that is based on latitude and longitude and (2) a local well number that identifies the well within an individual parish (county). See figure 1.

Measurements are made in many types of wells, under varying conditions of access, depth to water, temperature; hence, neither the method of measurement nor the equipment can be standardized. At each observation well, however, the equipment and techniques used are those that will ensure that measurements at each well are consistent.

Water-level measurements in this report are given in feet with reference to land-surface datum (LSD). Land-surface datum is a datum plane that is approximately at land surface at each well. If known, the altitude of the land-surface datum above National Geodetic Vertical Datum of 1929 (NGVD) is given in the well description. Altitudes with zeros in the tenths and hundredths columns are interpolated from topographic maps and are generally accurate only to about 1-5 feet. The height of the measuring point (MP) above or below land-surface datum is given in each well description. Water levels in wells equiped with recording gages are reported for every fifth day, the end of each month, and for dates when check measurements were made.

Water levels are reported to as many signifigant figures as can be justified by the local conditions. For example, in a measurement of a depth to water of several hundred feet, the error in determining the absolute value of the total depth to water may be a few tenths of a foot, whereas the error in determining the net change of water level between successive measurements may be only a hundredth or a few hundredths of a foot. For lesser depths to water the accuracy is greater. Accordingly, most measurements are reported to a hendredth of a foot, but some are given only to a tenth of a foot or to the nearest foot. In the computer format used in this report, zeros shown in the hundredths column generally indicate measurements accurate only to tenths.

PUBLICATIONS ON TECHNIQUES OF WATER-RESOURCES INVESTIGATIONS

Thirty-four manuals by the U.S. Geological Survey have been published to date in the series on techniques describing procedures for planning and executing specialized work in water-resources investigations. The material is grouped under major subject headings called books and is further divided into sections and chapters. For example, Section A of Book 3 (Applications of Hydraulics) is on surface water. The chapter, the unit of publication, is limited to a narrow field of subject matter. This format permits flexibility in revision and publication as the need arises. The reports listed below are for sale by the U.S. Geological Survey, Branch of Distribution, 1200 South Eads Street, Arlington, VA 22202 (authorized agent of the Superintendent of Documents, Government Printing Office).

NOTE: When ordering any of these publications, please give the title, book number, chapter number, and "U.S. Geological Survey Techniques of Water-Resources Investigations".

1-D1. *Water temperature--influential factors, field measurement, and data presentation*, by H. H. Stevens, Jr., J. F. Ficke, and G. F. Smoot: USGS--TWRI Book 1, Chapter D1. 1975. 65 pages.

1-D2. *Guidelines for collection and field analysis of ground-water samples for selected unstable constituents*, by W. W. Wood: USGS--TWRI Book 1, Chapter D2. 1976. 24 pages.

2-D1. *Application of surface geophysics to ground-water investigations*, by A. A. R. Zohdy, G. P. Eaton, and D. R. Mabey: USGS--TWRI Book 2, Chapter D1. 1974. 116 pages.

2-E1. *Application of borehole geophysics to water-resources investigations*, by W. S. Keys and L. M. MacCary: USGS--TWRI Book 2, Chapter E1. 1971. 126 pages.

3-A1. *General field and office procedures for indirect discharge measurements*, by M. A. Benson and Tate Dalrymple: USGS--TWRI Book 3, Chapter A1. 1967. 30 pages.

3-A2. *Measurement of peak discharge by the slope-area method*, by Tate Dalrymple and M. A. Benson: USGS--TWRI Book 3, Chapter A2. 1967. 12 pages.

3-A3. *Measurement of peak discharge at culverts by indirect methods*, by G. L. Bodhaine: USGS--TWRI Book 3, Chapter A3. 1968. 60 pages.

3-A4. *Measurement of peak discharge at width contractions by indirect methods*, by H. F. Matthai: USGS--TWRI Book 3, Chapter A4. 1967. 44 pages.

3-A5. *Measurement of peak discharge at dams by indirect methods*, by Harry Hulsing: USGS--TWRI Book 3, Chapter A5. 1967. 29 pages.

3-A6. *General procedure for gaging streams*, by R. W. Carter and Jacob Davidian: USGS--TWRI Book 3, Chapter A6. 1968. 13 pages.

3-A7. *Stage measurements at gaging stations*, by T. J. Buchanan and W. P. Somers: USGS--TWRI Book 3, Chapter A7. 1968. 28 pages.

3-A8. *Discharge measurements at gaging stations*, by T. J. Buchanan and W. P. Somers: USGS--TWRI Book 3, Chapter A8. 1969. 65 pages.

3-A11. *Measurement of discharge by moving-boat method*, by G. F. Smoot and C. E. Novak: USGS--TWRI Book 3, Chapter A11. 1969. 22 pages.

3-B1. *Aquifer-test design, observation, and data analysis*, by R. W. Stallman: USGS--TWRI Book 3, Chapter B1. 1971. 26 pages.

3-B2. *Introduction to ground-water hydraulics, a programed text for self-instruction*, by G. D. Bennett: USGS--TWRI Book 3, Chapter B2. 1976. 172 pages.

3-C1. *Fluvial sediment concepts*, by H. P. Guy: USGS--TWRI Book 3, Chapter C1. 1970. 55 pages.

3-C2. *Field methods for measurement of fluvial sediment*, by H. P. Guy and V. W. Norman: USGS--TWRI Book 3, Chapter C2. 1970. 59 pages.

3-C3. *Computation of fluvial-sediment discharge*, by George Porterfield: USGS--TWRI Book 3, Chapter C3. 1972. 66 pages.

4-A1. *Some statistical tools in hydrology*, by H. C. Riggs: USGS--TWRI Book 4, Chapter A1. 1968. 39 pages.

4-A2. *Frequency curves*, by H. C. Riggs: USGS--TWRI Book 4, Chapter A2. 1968. 15 pages.

4-B1. *Low-flow investigations*, by H. C. Riggs: USGS--TWRI Book 4, Chapter B1. 1972. 18 pages.

4-B2. *Storage analyses for water supply*, by H. C. Riggs and C. H. Hardison: USGS--TWRI Book 4, Chapter B2. 1973. 20 pages.

4-B3. *Regional analyses of streamflow characteristics*, by H. C. Riggs: USGS--TWRI Book 4, Chapter B3. 1973. 15 pages.

4-D1. *Computation of rate and volume of stream depletion by wells*, by C. T. Jenkins: USGS--TWRI Book 4, Chapter D1. 1970. 17 pages.

5-A1. *Methods for determination of inorganic substances in water and fluvial sediments*, by M. W. Skougstad and others, editors: USGS--TWRI Book 5, Chapter A1. 1979. 626 pages.

5-A2. *Determination of minor elements in water by emission spectroscopy*, by P. R. Barnett and E. C. Mallory, Jr.: USGS--TWRI Book 5, Chapter A2. 1971. 31 pages.

5-A3. *Methods for analysis of organic substances in water*, by D. F. Goerlitz and Eugene Brown: USGS--TWRI Book 5, Chapter A3. 1972. 40 pages.

5-A4. *Methods for collection and analysis of aquatic biological and microbiological samples*, edited by P. E. Greeson, T. A. Ehlke, G. A. Irwin, B. W. Lium, and K. V. Slack: USGS--TWRI Book 5, Chapter A4. 1977. 332 pages.

5-A5. *Methods for determination of radioactive substances in water and fluvial sediments*, by L. L. Thatcher, V. J. Janzer, and K. W. Edwards: USGS--TWRI Book 5, Chapter A5. 1977. 95 pages.

5-C1. *Laboratory theory and methods for sediment analysis*, by H. P. Guy: USGS--TWRI Book 5, Chapter C1. 1969. 58 pages.

7-C1. *Finite difference model for aquifer simulation in two dimensions with results of numerical experiments*, by P. C. Trescott, G. F. Pinder, and S. P. Larson: USGS--TWRI Book 7, Chapter C1. 1976. 116 pages.

7-C2. *Computer model of two-dimensional solute transport and dispersion in ground water*, by L. F. Konikow and J. D. Bredehoeft: USGS--TWRI Book 7, Chapter C2. 1978. 90 pages.

8-A1. *Methods of measuring water levels in deep wells*, by M. S. Garber and F. C. Koopman: USGS--TWRI Book 8, Chapter A1. 1968. 23 pages.

8-B2. *Calibration and maintenance of vertical-axis type current meters*, by G. F. Smoot and C. E. Novak: USGS--TWRI Book 8, Chapter B2. 1968. 15 pages.

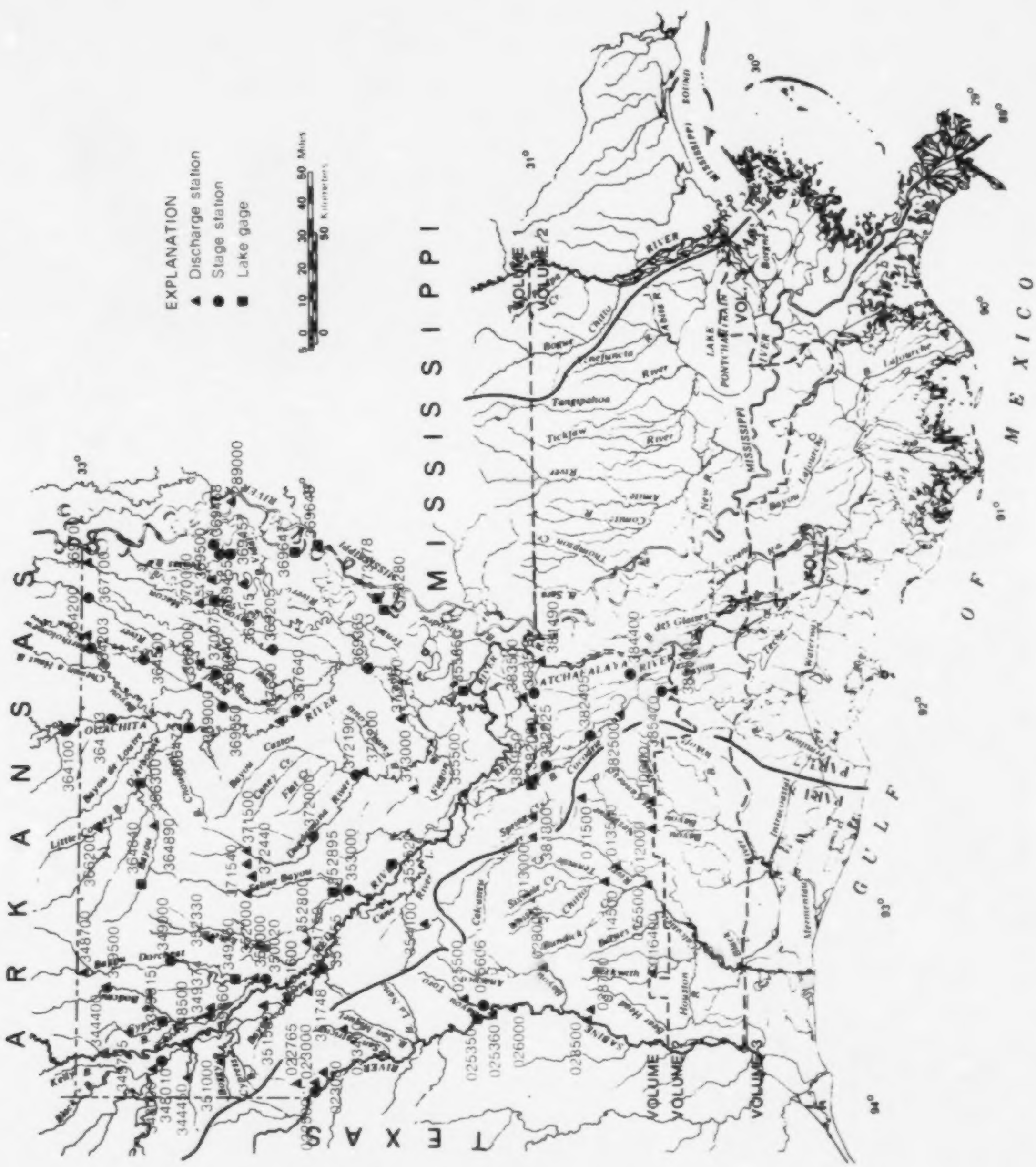
EXPLANATION
▲ Discharge station
● Stage station
■ Lake gage
0 10 20 30 40 50 Miles
0 10 20 30 40 50 Kilometers
ARKANSAS
MISSISSIPPI
TEXAS
GULF OF MEXICO
OUACHITA
RIVER
ATCHAFALAYA
MISSISSIPPI RIVER
LAKE PONTCHARTRAIN
VOLUME 1
VOLUME 2
VOLUME 3
33°
31°
30°
29°
94°
93°
92°
91°
90°
89°

Figure 2.—Location of continuous gaging stations.

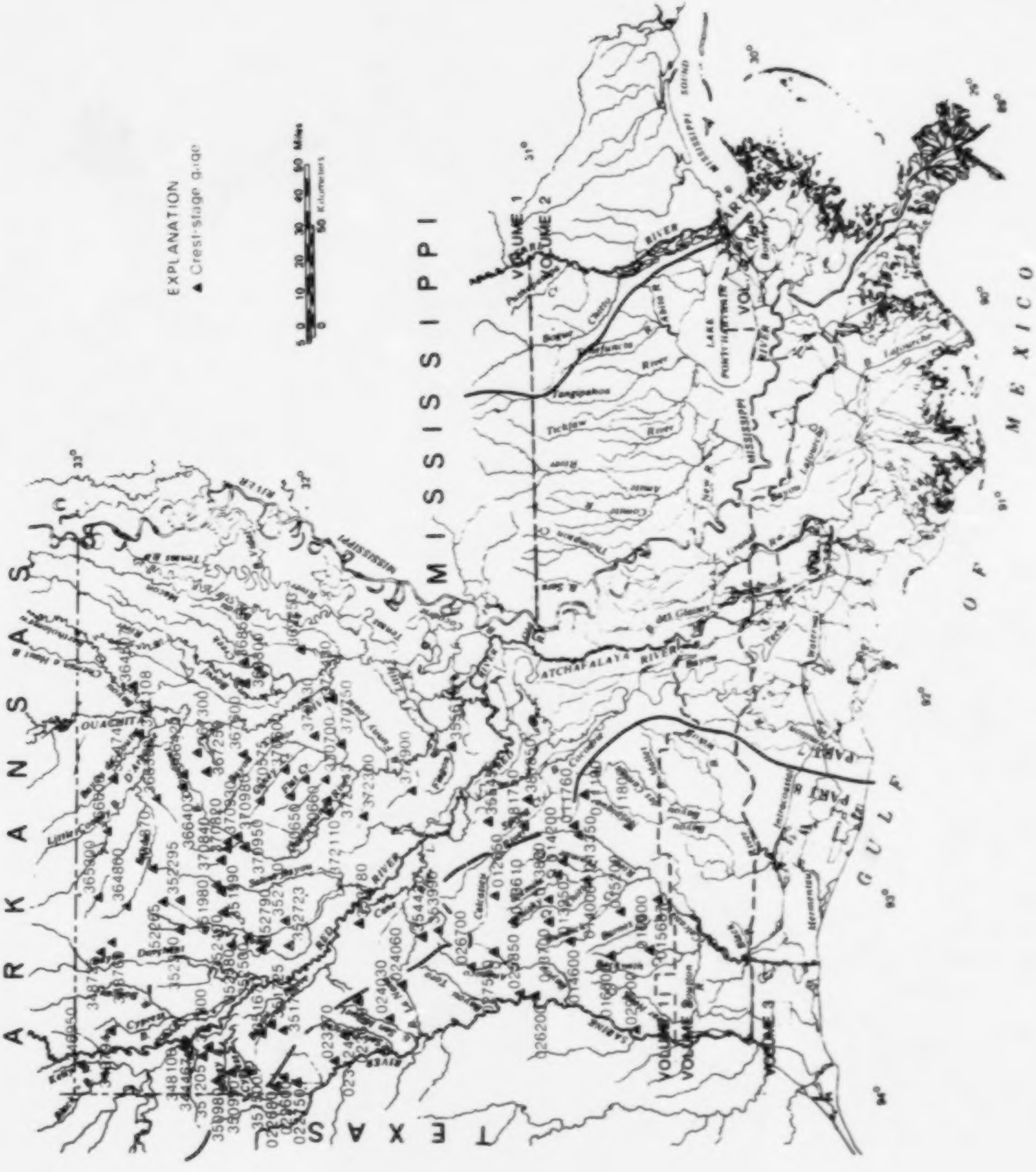
EXPLANATION
▲ Crest-stage gage
0 10 20 30 40 50 Miles
0 50 Kilometers
ARKANSAS
MISSISSIPPI
TEXAS
GULF OF MEXICO
ATCHAFALAYA RIVER
OUACHITA
RED RIVER
LAKE PONTCHARTRAIN
MISSISSIPPI SOUND
VOLUME 1
VOLUME 2
VOLUME 3
PART A
PART B
33°
32°
31°
30°
29°
94°
93°
92°
91°
90°
89°

Figure 3.--Location of crest-stage stations.

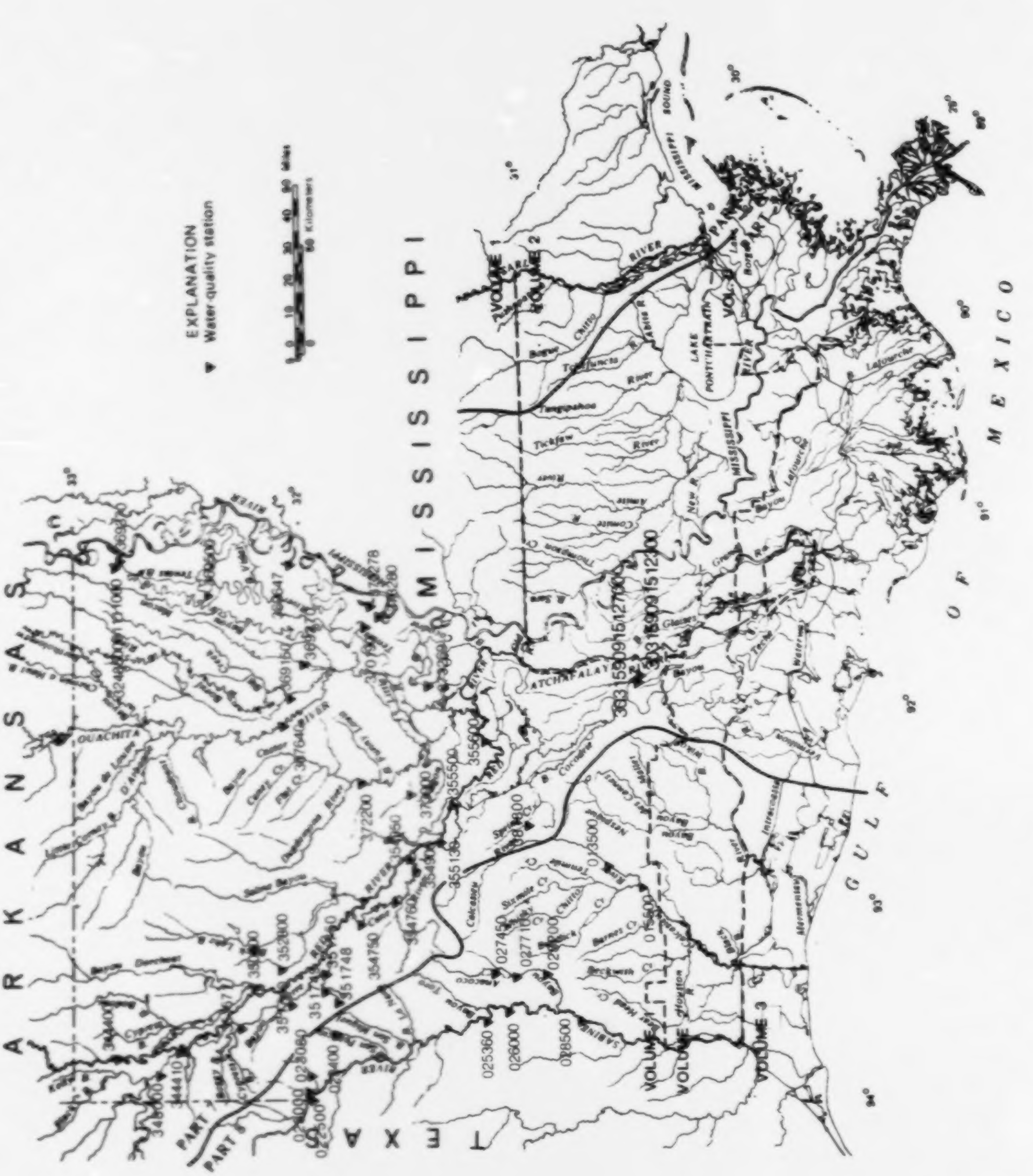
EXPLANATION
▼ Water-quality station
0 10 20 30 40 50 Miles
0 50 Kilometers
ARKANSAS
MISSISSIPPI
TEXAS
GULF OF MEXICO
OUACHITA
ATCHAFALAYA
LAKE PONTCHARTRAIN
MISSISSIPPI SOUND
VOLUME 1
VOLUME 2
VOLUME 3
PART 7
PART 8

Figure 4.—Location of water-quality stations.

LOWER MISSISSIPPI RIVER BASIN

MISSISSIPPI RIVER MAIN STEM

07289000 MISSISSIPPI RIVER AT VICKSBURG, MS

LOCATION.--Lat 32°18'45", long 90°54'25", in T.16 N., R.3 E., Washington meridian, Warren County, Hydrologic Unit 08060100, over cavity of fourth pier from left bank at combined highway and railway bridge of Vicksburg Bridge Commission of Warren County, at southe city limits of Vicksburg, 1.5 mi (2.4 km) downstream from Yazoo diversion canal, and at mile 430.4 (692.5 km).

DRAINAGE AREA.--1,136,500 mi^2 (2,943,500 km^2), approximately. The 4,000 mi^2 (10,400 km^2), approximately, in the Great Divide basin in southern Wyoming is not included.

PERIOD OF RECORD.--Discharge: January 1928 to September 1979. Prior to July 1931, monthly discharge only, published in WSP 1311.

Gage heights: April 1930 to September 1979 in reports of Geological Survey. Since December 1871, referred to canal gages (above 30 ft or 9.14 m only, since December 1949), and since September 1934 to December 1964, referred to bridge gage, in reports of Mississippi River Commission. January 1937 to December 1967, referred to bridge gage; and since 1967, referred to gage 1.1 mi (1.8 km) upstream in reports of Corps of Engineers. Since May 1873, in reports of National Weather Service.

Extremes of stage intermittent 1828-71 and continuous since 1871; extremes of discharge for various years, 1858 to 1926 and continuous since 1926; annual mean discharges since 1871, and records of daily discharge 1928 to 1964 are available in reports of Mississippi River Commission. Since January 1947 daily discharge in reports of Corps of Engineers. Prior to October 1968, published as Mississippi River near Vicksburg.

REVISED RECORDS.--WSP 747: Drainage area.

GAGE.--Water-stage recorder (bridge gage) maintained by the Geological Survey. Supplementary water-stage recorder on left bank at site 1.1 mi (1.8 km) upstream maintained by Corps of Engineers. Datum of gage is 46.22 ft (14.088 m) National Geodetic Vertical Datum of 1929 (Corps of Engineers datum) or 46.16 ft (14.070 m) above mean Gulf level. See WRD LA-1969 or WRD MS-1973 for history of changes prior to water year 1970 and for history of gages used by the various data-collecting agencies. All gages at same datum, but readings differ due to slope of water surface between them.

REMARKS.--Records excellent. Natural flow of stream affected by many reservoirs and navigation dams.

COOPERATION.--Supplementary gage-height record and records of daily discharge furnished by Corps of Engineers.

AVERAGE DISCHARGE.--51 years, 575,700 ft^3/s (16,300 m^3/s), 417,100,000 acre-ft/yr (514 km^3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 2,080,000 ft^3/s (58,900 m^3/s) Feb. 17, 1937; maximum gage height, 53.2 ft (16.22 m) Feb. 21, 1937; minimum discharge, 99,400 ft^3/s (2,820 m^3/s) Nov. 1, 1939; minimum gage height, -7.02 ft (-2.140 m) Feb. 3, 1940 (ice jam above).

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage since at least 1871, 58.4 ft or 17.80 m (Corps of Engineers gage on Yazoo diversion canal), approximately 56.0 ft (17.07 m) May 4, 1927 (Geological Survey gage).

EXTREMES FOR CURRENT YEAR.--Water year 1977: Maximum daily discharge, 980,000 ft^3/s (27,800 m^3/s) Apr. 19; minimum daily, 175,000 ft^3/s (4,960 m^3/s) Oct. 1.

Water year 1978: Maximum daily discharge, 1,350,000 ft^3/s (38,200 m^3/s) Apr. 3-6; minimum daily, 303,000 ft^3/s (8,580 m^3/s) Sept. 1.

Water year 1979: Maximum daily discharge, 1,690,000 ft^3/s (47,900 m^3/s) Apr. 24-28; minimum daily, 217,000 ft^3/s (6,150 m^3/s) Nov. 17.

RECORDS FOR THE 1980 WATER YEAR ARE NOT AVAILABLE IN TIME FOR INCLUSION IN THIS REPORT. THEY WILL BE PUBLISHED IN A SUBSEQUENT REPORT.

MISSISSIPPI RIVER MAIN STEM

07289000 MISSISSIPPI RIVER AT VICKSBURG, MS--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	175000	305000	204000	252000	277000	347000	777000	501000	308000	343000	290000	334000
2	183000	317000	212000	243000	267000	354000	783000	499000	305000	377000	281000	334000
3	194000	330000	221000	235000	258000	372000	790000	499000	299000	407000	272000	333000
4	205000	345000	221000	234000	249000	453000	806000	500000	295000	432000	266000	328000
5	219000	357000	219000	234000	241000	550000	812000	502000	293000	451000	263000	318000
6	229000	375000	234000	233000	231000	642000	815000	490000	289000	463000	256000	309000
7	238000	385000	240000	233000	222000	700000	814000	486000	274000	467000	247000	301000
8	243000	391000	244000	232000	210000	738000	806000	482000	265000	465000	232000	292000
9	240000	391000	248000	241000	203000	765000	798000	475000	262000	461000	221000	288000
10	237000	391000	248000	249000	202000	794000	797000	468000	259000	460000	208000	284000
11	245000	387000	248000	256000	203000	818000	823000	467000	258000	457000	200000	298000
12	242000	381000	248000	274000	202000	841000	840000	463000	258000	442000	188000	320000
13	235000	368000	249000	278000	200000	858000	870000	461000	258000	426000	183000	340000
14	222000	352000	256000	280000	199000	873000	893000	473000	255000	405000	178000	357000
15	219000	335000	274000	283000	203000	876000	915000	503000	244000	382000	197000	369000
16	221000	320000	303000	286000	209000	877000	943000	524000	236000	370000	220000	377000
17	231000	301000	335000	290000	217000	878000	966000	537000	225000	357000	255000	376000
18	251000	284000	349000	290000	226000	879000	979000	534000	228000	352000	295000	371000
19	288000	269000	351000	292000	238000	878000	980000	518000	237000	347000	330000	365000
20	329000	255000	355000	296000	253000	876000	967000	489000	253000	334000	350000	363000
21	368000	239000	354000	299000	279000	872000	943000	465000	267000	324000	393000	367000
22	397000	229000	349000	298000	308000	870000	928000	435000	258000	323000	407000	390000
23	396000	227000	330000	293000	330000	869000	896000	405000	241000	320000	426000	425000
24	382000	225000	324000	290000	346000	865000	830000	380000	226000	312000	436000	462000
25	349000	224000	312000	291000	354000	839000	738000	363000	233000	302000	441000	483000
26	320000	223000	303000	296000	355000	807000	680000	353000	244000	284000	441000	494000
27	303000	216000	245000	295000	352000	763000	618000	346000	252000	270000	429000	497000
28	291000	211000	283000	290000	348000	723000	565000	339000	259000	264000	410000	499000
29	286000	208000	279000	289000	---	693000	510000	331000	272000	257000	384000	500000
30	287000	201000	271000	287000	---	666000	505000	322000	303000	282000	363000	487000
31	294000	---	261000	284000	---	719000	---	317000	---	295000	344000	---
TOTAL	8319000	9042000	8626000	8423000	7182000	23055000	24387000	13927000	7856000	11431000	9414000	11266000
MEAN	268400	301400	278300	271700	256500	743700	812900	449300	261900	368700	303700	375500
MAX	397000	391000	355000	299000	355000	879000	980000	537000	308000	467000	441000	500000
MIN	175000	201000	204000	232000	199000	347000	505000	317000	225000	257000	178000	288000
AC-FT	16500000	17930000	17110000	16710000	14250000	45730000	48370000	27620000	15580000	22670000	18670000	22350000

CAL YR 1976 TOTAL 174764000 MEAN 477500 MAX 1020000 MIN 170000 AC-FT 346600000
WTR YR 1977 TOTAL 142928000 MEAN 391600 MAX 980000 MIN 175000 AC-FT 283500000

07289000 MISSISSIPPI RIVER AT VICKSBURG, MS--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.20	7.00	1.40	3.40	4.50	8.30	25.80	16.40	7.80	8.00	6.80	9.00
2	.40	7.70	1.90	2.90	3.90	8.50	26.10	16.00	7.70	9.90	6.40	9.00
3	.80	8.30	2.40	2.40	3.60	9.00	26.50	16.00	7.70	11.50	5.90	9.00
4	1.30	9.00	2.50	2.00	3.00	12.00	27.00	16.00	7.20	12.80	5.50	8.90
5	2.40	9.50	2.20	2.10	2.40	15.50	28.00	16.30	6.80	13.90	5.50	8.40
6	3.60	10.10	2.60	2.00	1.80	19.90	28.30	16.20	6.40	14.60	5.00	8.00
7	4.00	10.60	3.20	2.00	1.20	21.30	28.30	16.00	5.80	14.90	4.40	7.60
8	4.20	10.80	3.50	2.00	.40	22.80	28.20	15.90	5.50	14.90	3.30	7.20
9	4.00	10.80	4.00	2.40	-.30	23.80	27.90	15.70	5.30	14.60	2.30	6.40
10	3.90	11.00	4.00	2.70	-.50	24.70	27.80	15.40	5.30	14.50	1.90	7.00
11	4.00	11.00	3.90	2.80	-.40	25.50	28.00	15.30	4.80	14.40	1.70	7.20
12	4.00	10.90	3.70	3.50	-.30	26.40	28.50	15.30	4.50	14.00	1.30	7.90
13	3.40	10.40	3.40	4.00	-.40	27.00	29.40	15.10	4.50	13.50	.90	9.00
14	2.70	9.70	3.70	4.30	-.80	27.80	30.10	15.10	4.30	13.00	.40	10.00
15	2.60	8.60	4.30	4.50	-.70	28.40	30.80	16.40	4.00	12.30	.50	10.80
16	2.70	7.50	5.60	4.70	.00	28.70	31.30	17.20	3.90	11.40	1.70	11.30
17	3.00	6.50	7.10	4.90	.30	28.80	31.80	17.70	3.40	10.30	3.50	11.30
18	4.00	5.60	8.10	5.00	.90	29.00	32.00	17.70	3.40	9.80	5.70	11.00
19	5.80	5.00	9.10	5.10	1.50	29.00	32.30	17.30	3.60	9.60	8.00	10.60
20	7.70	4.50	9.70	5.40	2.30	29.20	32.20	16.40	4.30	9.00	9.50	10.50
21	9.80	4.00	9.60	5.60	3.60	29.20	32.40	15.40	4.70	8.40	11.00	10.60
22	11.20	3.50	9.00	5.40	5.30	29.00	32.00	14.20	4.40	8.40	12.40	11.50
23	11.50	3.20	8.60	5.40	7.00	28.90	31.40	12.80	3.80	8.30	13.30	13.20
24	11.00	2.90	8.00	5.20	8.20	28.50	29.80	11.60	3.00	8.00	13.80	14.70
25	9.80	2.80	7.60	5.20	8.90	28.00	27.60	10.50	3.30	7.50	14.10	15.60
26	8.30	2.70	7.00	5.50	9.00	27.20	24.80	10.00	3.90	6.80	14.10	16.00
27	7.10	2.50	6.40	5.50	8.80	26.40	22.00	9.60	4.30	6.00	13.70	16.40
28	6.20	2.20	6.00	5.30	8.40	25.40	---	9.20	4.60	5.70	13.00	16.60
29	5.80	1.80	5.50	5.20	---	24.50	17.60	8.80	5.00	5.80	12.00	16.70
30	5.80	1.50	4.80	5.10	---	24.40	16.80	8.30	6.30	6.30	10.90	16.70
31	6.20	---	4.40	4.90	---	25.00	---	8.00	---	5.00	9.70	---
MEAN	5.08	6.72	5.26	4.08	2.91	23.94	---	14.25	4.98	10.42	7.04	10.94
MAX	11.50	11.00	9.70	5.60	9.00	29.20	32.40	17.70	7.80	14.90	14.10	16.70
MIN	.20	1.50	1.40	2.00	-.80	8.30	---	8.00	3.00	5.00	.40	6.40

MISSISSIPPI RIVER MAIN STEM

07289000 MISSISSIPPI RIVER AT VICKSBURG, MS--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	487000	403000	729000	797000	686000	435000	1310000	818000	1020000	465000	431000	303000
2	490000	438000	733000	772000	720000	430000	1330000	815000	990000	462000	422000	310000
3	489000	484000	737000	748000	753000	426000	1350000	820000	954000	459000	417000	317000
4	489000	523000	754000	719000	807000	425000	1350000	827000	920000	452000	418000	324000
5	489000	542000	770000	687000	845000	428000	1350000	830000	877000	444000	422000	333000
6	489000	547000	784000	661000	875000	445000	1350000	832000	848000	445000	430000	340000
7	491000	547000	806000	633000	889000	468000	1340000	844000	812000	447000	440000	350000
8	497000	545000	838000	605000	897000	480000	1330000	869000	766000	468000	443000	366000
9	515000	551000	875000	572000	897000	487000	1310000	891000	717000	485000	446000	388000
10	535000	573000	906000	554000	869000	499000	1300000	909000	682000	493000	447000	402000
11	548000	599000	936000	545000	838000	513000	1280000	922000	654000	498000	445000	401000
12	562000	631000	958000	543000	793000	533000	1270000	936000	628000	501000	438000	387000
13	565000	645000	970000	538000	723000	552000	1240000	953000	610000	505000	425000	372000
14	565000	654000	980000	537000	643000	584000	1220000	961000	591000	506000	411000	366000
15	565000	682000	995000	565000	602000	614000	1190000	974000	574000	505000	408000	349000
16	566000	671000	987000	637000	569000	662000	1160000	999000	560000	497000	418000	347000
17	573000	682000	975000	676000	533000	698000	1120000	1030000	548000	489000	427000	346000
18	574000	699000	960000	727000	517000	758000	1080000	1050000	537000	480000	424000	342000
19	575000	704000	930000	780000	506000	818000	1050000	1060000	524000	481000	416000	338000
20	574000	707000	916000	807000	498000	873000	1020000	1070000	507000	482000	406000	335000
21	571000	709000	904000	812000	491000	922000	995000	1070000	487000	483000	395000	331000
22	550000	708000	893000	778000	487000	966000	970000	1080000	467000	485000	388000	323000
23	525000	700000	877000	711000	480000	1000000	949000	1080000	449000	501000	379000	313000
24	494000	690000	863000	655000	475000	1040000	921000	1090000	448000	518000	367000	307000
25	361000	682000	855000	597000	465000	1080000	901000	1080000	447000	518000	354000	310000
26	434000	675000	848000	588000	453000	1130000	879000	1080000	447000	514000	348000	326000
27	429000	676000	841000	588000	443000	1180000	859000	1080000	456000	498000	344000	355000
28	425000	685000	834000	624000	440000	1210000	841000	1070000	463000	476000	339000	376000
29	414000	693000	828000	651000	---	1250000	831000	1060000	465000	462000	329000	390000
30	407000	711000	821000	667000	---	1270000	823000	1050000	467000	457000	315000	394000
31	399000	---	811000	671000	---	1290000	---	1030000	---	441000	307000	---
TOTAL	15647000	18756000	26914000	20445000	18194000	23466000	33919000	30180000	18915000	14917000	12399000	10441000
MEAN	504700	625200	868200	659500	649800	757000	1131000	973500	630500	481200	400000	348000
MAX	575000	711000	995000	812000	897000	1290000	1350000	1090000	1020000	518000	447000	402000
MIN	361000	403000	729000	537000	440000	425000	823000	815000	447000	441000	307000	303000
AC-FT	31040000	37200000	53380000	40550000	36090000	46540000	67280000	59860000	37520000	29590000	24590000	20710000

CAL YR 1977 TOTAL 178258000 MEAN 488400 MAX 995000 MIN 178000 AC-FT 353600000
WTR YR 1978 TOTAL 244193000 MEAN 669000 MAX 1350000 MIN 303000 AC-FT 484400000

MISSISSIPPI RIVER MAIN STEM

07289000 MISSISSIPPI RIVER AT VICKSBURG, MS--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16.60	12.50	24.30	26.08	22.64	12.45	37.99	29.58	35.35	16.20	14.87	8.53
2	16.70	13.70	24.50	25.26	23.64	12.16	38.39	29.52	34.78	16.19	14.95	8.90
3	16.60	15.40	24.50	24.45	24.75	11.96	38.71	29.63	34.12	16.06	15.15	9.27
4	16.50	17.00	24.80	23.62	25.85	11.92	39.07	29.79	33.49	15.96	15.22	9.61
5	16.20	17.80	25.00	22.69	26.71	12.31	39.30	29.85	32.70	15.85	15.20	10.04
6	16.10	18.00	25.40	21.94	27.38	13.01	39.54	29.87	31.78	16.02	15.20	10.38
7	16.00	18.00	26.00	21.15	27.82	13.78	39.61	30.35	30.63	16.50	15.32	10.92
8	16.20	17.90	26.80	20.33	28.08	14.19	39.72	31.32	29.17	17.08	15.48	11.74
9	17.00	18.00	27.90	19.38	28.09	14.45	39.75	32.09	27.62	17.35	15.54	12.39
10	17.90	18.80	28.50	18.86	27.81	14.84	39.75	32.58	26.27	17.54	15.50	12.82
11	18.50	19.90	29.30	18.61	26.97	15.45	39.78	32.92	25.20	17.65	15.34	12.77
12	18.90	21.00	29.80	18.55	25.72	16.33	39.62	33.30	24.21	17.71	15.04	12.15
13	19.00	21.60	30.20	18.41	23.81	17.18	39.39	33.63	23.34	17.80	14.61	11.52
14	19.00	22.00	30.50	18.32	21.62	18.29	39.07	33.79	22.41	18.02	14.25	11.26
15	19.00	22.10	30.80	18.73	20.20	19.37	38.66	34.06	21.60	18.24	14.02	10.52
16	19.00	22.20	30.80	19.74	19.08	20.67	---	34.55	20.92	18.29	14.01	10.40
17	19.20	22.40	30.90	21.11	17.83	22.30	---	35.05	20.36	18.23	14.05	10.39
18	19.30	22.70	30.80	---	16.96	24.05	36.45	35.54	19.84	17.98	14.02	10.20
19	19.40	23.10	30.50	---	16.36	25.79	35.74	35.94	19.25	17.99	13.75	9.95
20	19.40	23.50	30.10	---	15.91	27.39	35.02	36.25	18.63	18.00	13.48	9.79
21	19.20	23.50	29.60	---	15.55	28.80	34.45	36.50	17.90	18.00	13.20	9.54
22	18.50	23.60	29.20	---	15.21	30.08	33.95	36.78	17.16	18.06	12.93	9.09
23	17.70	23.40	28.70	23.43	14.89	31.19	33.51	36.92	16.50	18.32	12.52	8.51
24	16.60	23.10	28.30	22.39	14.52	32.25	32.88	37.18	15.92	18.54	12.04	8.16
25	15.40	22.80	28.00	21.86	13.95	---	32.25	37.20	15.62	18.59	11.50	8.33
26	14.40	22.60	27.70	21.62	13.50	---	31.60	37.20	15.62	18.46	10.92	9.51
27	13.90	22.50	27.50	21.62	13.06	34.80	30.98	37.14	15.89	17.85	10.53	10.64
28	13.50	22.80	27.30	21.84	12.75	35.55	30.42	36.94	16.10	17.07	10.02	11.69
29	13.10	23.00	27.10	22.00	---	36.34	30.05	36.65	16.25	16.28	9.62	12.42
30	12.90	23.60	27.00	22.10	---	36.95	29.75	36.30	16.21	15.54	9.02	12.60
31	12.60	---	26.60	22.22	---	37.49	---	35.89	---	15.07	8.70	---
MEAN	16.91	20.62	28.01	---	20.74	---	---	34.01	23.16	17.30	13.42	10.47
MAX	19.40	23.60	30.90	---	28.09	37.49	39.78	37.20	35.35	18.59	15.54	12.82
MIN	12.60	12.50	24.30	18.32	12.75	11.92	29.75	29.52	15.62	15.07	8.70	8.16

07289000 MISSISSIPPI RIVER AT VICKSBURG, MS--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	392000	240000	405000	878000	967000	865000	1420000	1670000	925000	600000	525000	581000
2	387000	239000	425000	859000	967000	935000	1400000	1650000	918000	616000	560000	606000
3	378000	246000	458000	839000	969000	1000000	1400000	1630000	915000	621000	637000	627000
4	370000	258000	490000	823000	969000	1060000	1400000	1610000	917000	612000	678000	643000
5	362000	267000	524000	813000	964000	1120000	1410000	1570000	930000	581000	710000	654000
6	355000	279000	555000	808000	950000	1170000	1420000	1540000	950000	548000	736000	661000
7	337000	280000	585000	817000	919000	1220000	1440000	1520000	966000	530000	747000	664000
8	318000	268000	615000	831000	871000	1270000	1460000	1490000	969000	512000	748000	663000
9	302000	257000	685000	852000	820000	1300000	1480000	1460000	955000	499000	738000	650000
10	289000	247000	740000	880000	782000	1340000	1490000	1430000	928000	491000	713000	629000
11	279000	239000	805000	908000	727000	1370000	1510000	1400000	896000	490000	697000	610000
12	270000	232000	835000	936000	682000	1410000	1520000	1380000	869000	492000	679000	590000
13	263000	227000	867000	951000	638000	1420000	1540000	1370000	851000	499000	651000	570000
14	258000	225000	899000	967000	595000	1440000	1560000	1360000	834000	508000	635000	545000
15	251000	223000	929000	970000	551000	1450000	1570000	1340000	821000	519000	619000	528000
16	244000	220000	956000	969000	526000	1470000	1590000	1330000	811000	526000	601000	510000
17	240000	217000	983000	963000	503000	1490000	1610000	1310000	803000	527000	582000	496000
18	240000	222000	1010000	955000	489000	1500000	1620000	1300000	796000	527000	578000	480000
19	248000	232000	1020000	948000	477000	1520000	1630000	1280000	780000	526000	572000	487000
20	257000	246000	1030000	930000	466000	1530000	1640000	1260000	753000	526000	567000	507000
21	272000	260000	1040000	910000	453000	1540000	1660000	1230000	721000	526000	551000	558000
22	285000	280000	1050000	891000	453000	1560000	1670000	1210000	686000	526000	537000	610000
23	291000	295000	1060000	869000	480000	1570000	1680000	1180000	650000	527000	520000	659000
24	291000	315000	1070000	864000	515000	1570000	1690000	1150000	620000	525000	492000	691000
25	289000	335000	1070000	870000	573000	1560000	1690000	1120000	588000	524000	468000	701000
26	279000	362000	1070000	904000	640000	1540000	1690000	1090000	559000	523000	448000	699000
27	269000	333000	1070000	919000	730000	1520000	1690000	1060000	545000	528000	438000	685000
28	260000	405000	1060000	939000	792000	1510000	1690000	1030000	546000	528000	446000	670000
29	254000	410000	1050000	956000	---	1490000	1680000	1000000	554000	525000	475000	675000
30	248000	408000	1020000	960000	---	1470000	1680000	972000	578000	523000	510000	695000
31	242000	---	995000	963000	---	1440000	---	943000	---	522000	559000	---
TOTAL	9020000	8267000	26371000	27942000	19468000	42650000	46930000	40885000	23634000	16527000	18417000	18344000
MEAN	291000	275600	850700	901400	695300	1376000	1564000	1319000	787800	533100	594100	611500
MAX	392000	410000	1070000	970000	969000	1570000	1690000	1670000	969000	621000	748000	701000
MIN	240000	217000	405000	808000	453000	865000	1400000	943000	545000	490000	438000	480000
AC-FT	17890000	16400000	52310000	55420000	38610000	84600000	93090000	81100000	46880000	32780000	36530000	36390000

CAL YR 1978 TOTAL 226534000 MEAN 620600 MAX 1350000 MIN 217000 AC-FT 449300000
WTR YR 1979 TOTAL 298455000 MEAN 817700 MAX 1690000 MIN 217000 AC-FT 592000000

MISSISSIPPI RIVER MAIN STEM

07289000 MISSISSIPPI RIVER AT VICKSBURG, MS--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12.63	3.82	11.88	28.60	32.60	29.00	42.80	47.50	35.10	22.50	20.40	20.60
2	12.43	3.79	12.38	28.10	32.80	30.80	42.60	47.20	34.70	22.70	21.00	21.30
3	12.09	4.28	13.23	27.80	33.10	32.50	42.60	46.90	34.40	22.70	22.30	22.10
4	11.84	4.98	14.52	27.40	33.30	34.00	42.70	46.50	34.20	22.50	23.70	23.10
5	11.40	5.63	15.92	26.90	33.30	35.20	42.80	46.40	34.20	22.10	24.80	23.50
6	10.78	5.90	17.67	26.50	32.90	36.20	42.90	46.00	34.40	21.10	25.70	24.10
7	9.95	5.87	18.98	26.80	32.50	37.10	43.00	45.80	34.70	20.00	26.20	24.30
8	8.92	5.25	---	27.50	31.80	37.80	43.00	45.50	34.70	19.50	26.50	24.40
9	8.12	4.60	---	28.20	30.80	38.40	43.20	45.10	34.40	19.20	26.50	24.10
10	7.58	4.00	---	28.60	29.20	38.90	43.40	44.70	35.00	19.20	26.20	23.70
11	7.10	3.42	25.36	29.00	27.40	39.50	43.50	44.30	34.70	18.80	25.70	23.00
12	6.43	3.07	26.65	29.40	25.30	40.10	43.90	44.00	34.00	19.00	25.00	22.00
13	6.08	2.92	27.83	29.70	23.10	40.80	44.60	43.60	33.10	19.20	24.20	21.10
14	5.70	2.98	28.78	30.10	21.20	41.30	44.90	43.20	32.00	19.50	23.40	20.20
15	5.31	3.00	29.47	30.40	19.80	41.90	45.30	43.20	31.20	19.80	22.70	19.50
16	5.03	3.05	30.24	30.50	18.40	42.40	45.60	43.10	30.80	19.80	22.00	18.80
17	4.67	3.11	30.84	30.40	17.60	42.80	45.90	42.90	30.10	19.80	21.40	18.00
18	4.68	3.33	31.31	30.30	17.10	43.10	46.30	42.60	29.90	19.90	20.90	17.40
19	4.96	3.98	31.73	30.10	16.50	43.40	46.50	42.20	29.50	19.80	20.70	17.00
20	5.38	4.46	32.00	30.70	15.80	43.60	46.70	41.70	28.90	19.70	20.70	17.40
21	5.85	4.76	32.34	31.00	15.20	43.60	46.80	41.30	28.00	19.80	20.40	19.40
22	6.39	5.32	32.49	31.00	15.10	43.60	47.00	40.70	27.00	19.80	20.00	21.20
23	6.89	6.57	32.51	30.70	15.80	43.70	47.30	40.10	25.90	19.80	19.40	23.00
24	7.18	8.16	32.63	30.50	17.30	43.90	47.50	39.60	24.60	19.80	18.40	24.20
25	7.18	9.44	32.59	30.10	19.40	43.90	47.80	39.10	23.60	19.70	17.20	24.70
26	6.86	10.50	32.34	29.90	21.80	43.70	47.90	38.70	22.60	19.80	16.30	24.60
27	6.40	11.40	31.94	30.10	24.20	43.60	47.90	38.20	22.00	19.70	15.80	24.20
28	5.88	11.88	31.30	30.60	26.70	43.50	47.90	37.50	21.80	19.40	16.10	24.00
29	5.29	11.98	30.58	31.20	---	43.30	47.90	36.70	22.00	19.10	17.00	24.30
30	4.66	11.78	29.70	31.70	---	43.10	47.70	36.00	22.20	19.30	18.30	24.70
31	4.16	---	---	32.20	---	42.90	---	35.40	---	19.80	19.50	---
MEAN	7.35	5.77	---	29.55	24.29	40.25	45.26	42.44	29.99	20.09	21.56	22.00
MAX	12.63	11.98	32.63	32.20	33.30	43.90	47.90	47.50	35.10	22.70	26.50	24.70
MIN	4.16	2.92	11.88	26.50	15.10	29.00	42.60	35.40	21.80	18.80	15.80	17.00

07344400 RED RIVER NEAR HOSSTON, LA

LOCATION.--Lat 32°53'35", long 93°49'20", in SW¼ sec.16, T.22 N., R.14 W., Bossier-Caddo Parish line, Hydrologic Unit 11140202, near left bank on downstream side of bridge on State Highway 2, 1.8 mi (2.9 km) downstream from Dry Bayou, and 3.2 mi (5.1 km) east of Hosston.

DRAINAGE AREA.--57,041 mi^2 (147,736 km^2), of which 5,936 mi^2 (15,374 km^2) above Denison Dam is noncontributing.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1957 to September 1968. October 1968 to current year (discharge below 5,000 ft^3/s or 142 m^3/s only).

GAGE.--Nonrecording gage read once daily. Datum of gage is 161.56 ft (24.244 m) National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to Feb. 20, 1962, water-stage recorder at same site and datum.

REMARKS.--Records good. Regulation since July 1942 by Lake Texoma (capacity, 5,392,000 acre-ft or 6.65 km^3), since July 1953 by Texarkana Reservoir (capacity, 2,654,300 acre-ft or 3.27 km^3), and since August 1966 by Millwood Lake (capacity, 1,854,900 acre-ft or 2.29 km^3).

AVERAGE DISCHARGE.--11 years (water years 1958-68), 17,920 ft^3/s (507 m^3/s), 12,980,000 acre-ft/yr (16.0 km^3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 214,000 ft^3/s (6,060 m^3/s) May 7, 1958, gage height, 27.89 ft (8.501 m); minimum daily, 803 ft^3/s (22.7 m^3/s) Sept. 16, 17, 1972.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 12.60 ft (3.840 m) June 9; minimum discharge, 1,920 ft^3/s (54.4 m^3/s) Dec. 7, gage height, 1.25 ft (0.381 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---							---	3140	3760
2	---	---	4310							---	2940	3420
3	---	---	3180							---	2840	3400
4	---	---	2700							---	2860	4850
5	---	---	2740							---	2940	4980
6	---	---	2430							---	3140	---
7	---	---	1950							---	3140	---
8	---	---	2140							---	2940	---
9	---	---	2300							---	3000	---
10	---	---	2270							---	3000	---
11	---	---	2340							---	3260	---
12	---	---	3080							---	3560	---
13	---	---	3560							---	3660	---
14	---	---	3850							---	4160	4850
15	---	---	---							---	4060	4630
16	---	---	---							---	3950	4540
17	---	4940	---							---	4290	3950
18	---	4140	---							---	4460	4020
19	---	3340	---							---	4630	3810
20	---	3260	---							---	4740	4060
21	---	3930	---							---	4740	4230
22	---	---	---							---	4780	3830
23	---	---	---							---	4760	3200
24	---	---	---							4720	4520	2940
25	4670	---	---							4440	4480	3380
26	4760	---	---							4560	3680	3200
27	---	---	---							4560	2920	3140
28	---	---	---							4140	4270	3380
29	---	---	---							3460	4480	3780
30	---	---	---							3400	4560	4230
31	---	---	---							3140	4540	---
TOTAL	---	---	---							---	118440	---
MEAN	---	---	---							---	3821	---
MAX	---	---	---							---	4780	---
MIN	---	---	---							---	2840	---

07344400 RED RIVER NEAR HOSSTON, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.28	3.67	3.06	9.90	9.25	6.00	4.42	6.08	7.08	5.57	1.50	1.81
2	5.12	3.64	2.53	9.76	8.70	5.61	5.03	6.05	8.29	4.93	1.40	1.64
3	4.03	3.85	1.95	9.66	8.43	5.27	5.58	6.42	9.45	4.64	1.35	1.63
4	3.70	4.05	1.70	9.62	8.55	5.11	5.62	6.93	11.05	4.43	1.36	2.51
5	3.77	3.74	1.72	9.28	8.66	4.85	5.36	7.06	11.56	3.82	1.40	2.79
6	3.73	3.52	1.55	8.58	8.60	4.60	5.01	7.00	11.15	3.40	1.50	3.62
7	3.78	3.45	1.27	7.87	8.80	4.58	4.35	7.24	10.85	3.20	1.50	5.34
8	3.73	3.40	1.39	7.45	8.52	4.65	3.52	6.83	11.00	3.38	1.40	4.68
9	3.90	3.67	1.48	7.38	9.12	4.70	3.48	6.50	12.45	3.30	---	4.10
10	4.13	4.19	1.46	7.07	9.74	4.66	3.53	6.51	11.98	3.13	---	3.70
11	3.99	4.30	1.50	6.74	10.13	4.42	3.92	6.02	10.49	2.95	1.56	3.34
12	3.73	3.97	1.90	6.43	10.32	4.32	4.02	5.70	10.30	2.80	1.71	2.91
13	3.67	3.86	2.14	5.30	11.15	3.55	4.45	5.53	10.12	2.88	1.76	2.85
14	3.62	4.06	2.29	4.65	11.59	2.98	4.99	5.00	9.76	2.72	2.03	2.83
15	3.63	3.42	3.04	4.30	11.60	3.27	6.45	6.20	8.35	2.63	1.95	2.35
16	3.51	2.93	3.94	3.97	11.26	4.15	8.30	7.12	7.83	3.09	1.90	2.24
17	3.48	2.84	4.66	3.62	10.85	5.28	9.84	7.87	7.72	3.51	2.06	1.90
18	3.43	2.44	4.92	3.44	10.59	5.38	9.89	8.60	7.15	3.78	2.08	1.93
19	3.31	2.03	4.90	3.39	10.13	4.75	9.40	8.94	---	4.29	2.29	1.83
20	3.40	1.99	4.83	3.54	9.96	4.49	8.86	9.35	---	3.84	2.49	1.95
21	3.55	2.34	4.72	4.07	9.77	4.47	8.34	10.08	---	3.75	2.50	2.03
22	3.45	3.10	4.74	5.90	9.65	4.14	7.78	10.85	---	3.69	2.55	1.84
23	3.26	3.57	4.75	8.49	9.64	4.03	7.13	10.04	---	3.03	2.54	1.53
24	3.02	3.67	4.63	10.54	9.15	4.08	6.30	9.68	---	2.57	2.24	1.40
25	2.71	3.50	5.11	11.61	8.24	4.07	5.69	9.58	---	2.39	2.15	1.62
26	2.75	3.94	6.37	11.47	7.80	3.97	5.28	8.62	---	2.28	1.77	1.53
27	3.15	4.16	7.72	10.90	7.37	4.37	5.10	7.40	7.86	2.29	1.49	1.50
28	3.54	3.56	8.92	10.55	6.96	4.65	5.03	6.93	7.08	1.99	2.05	1.62
29	3.37	3.38	9.60	10.30	6.48	4.84	5.18	6.86	6.38	1.66	2.15	1.82
30	3.20	3.35	9.93	10.10	---	4.72	5.77	6.50	6.00	1.63	2.26	2.04
31	3.38	---	9.95	9.70	---	4.42	---	6.45	---	1.50	2.25	---
MEAN	3.62	3.45	4.15	7.60	9.35	4.53	5.92	7.42	---	3.20	---	2.43
MAX	5.28	4.30	9.95	11.61	11.60	6.00	9.89	10.85	12.45	5.57	2.55	5.34
MIN	2.71	1.99	1.27	3.39	6.48	2.98	3.48	5.00	6.00	1.50	1.35	1.40

07344400 RED RIVER NEAR HOSSTON, LA--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1957 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: March 1957 to current year.
WATER TEMPERATURES: March 1957 to current year

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum daily, 2,030 micromhos June 24, 1978; minimum daily, 124 micromhos Apr. 24, 1979.
WATER TEMPERATURES: Maximum daily, 34.0°C July 12, 13, 21, 1969; minimum daily, 0.0°C Feb. 8, 1978.

EXTREMES FOR CURRENT YEAR.--
SPECIFIC CONDUCTANCE: Maximum daily, 1,880 micromhos Aug. 23; minimum daily, 163 micromhos May 26.
WATER TEMPERATURES: Maximum daily, 32.0°C July 1, 2, 31, Aug. 10; minimum daily, 7.0°C Jan. 8.

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	930	463	216	380	701	584	434	---	816	1560	1540
2	---	716	---	185	353	---	586	391	357	913	1490	1480
3	---	704	455	170	---	---	324	379	515	1090	---	1370
4	---	---	483	176	324	756	424	---	492	1130	1280	1360
5	---	695	675	196	312	830	435	463	349	1170	1480	715
6	---	675	715	271	521	1020	---	382	311	---	1510	750
7	---	684	852	---	507	817	569	285	313	1040	1730	---
8	---	678	921	224	451	804	637	247	1380	980	1790	640
9	---	575	881	207	376	---	596	533	---	1030	1340	542
10	1180	441	---	193	---	932	622	485	1440	1070	1340	510
11	1140	---	909	198	415	971	668	---	1290	1220	---	479
12	1190	547	1080	237	252	849	541	319	1320	1550	---	481
13	1180	544	891	269	245	750	---	256	1340	1360	1190	541
14	1130	571	875	304	270	896	264	254	1240	1210	1160	767
15	1110	643	1070	326	254	860	281	217	1710	1170	1310	---
16	1100	719	---	357	243	---	257	244	1570	---	1750	1090
17	1090	750	411	358	---	370	254	238	---	1440	---	1190
18	1170	---	429	514	208	337	233	---	1710	1720	---	1800
19	1160	811	412	558	216	352	203	275	---	1420	---	1810
20	1260	888	336	---	207	372	---	282	---	1290	1760	1800
21	---	---	280	412	213	425	199	225	---	1190	1810	1770
22	1040	614	263	418	227	431	---	224	---	---	1770	---
23	983	540	---	463	233	---	297	191	---	1200	1880	1730
24	907	631	248	195	---	359	292	188	---	1180	---	1690
25	858	---	322	199	385	389	403	---	---	1710	1780	1590
26	849	715	450	189	550	391	410	163	710	1770	1710	1660
27	955	663	445	---	511	506	---	221	719	---	1560	1460
28	991	626	422	266	475	423	637	223	736	1580	1590	---
29	1040	540	243	249	488	371	664	216	---	1490	1720	---
30	1140	465	---	280	---	---	661	245	793	1440	1780	1310
31	1030	---	210	325	---	392	---	348	---	1480	---	---

07344400 RED RIVER NEAR HOSSTON, LA--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	8.5	9.0			---	20.5	---	32.0	31.5	30.0
2	---	17.0	---	---			---	20.5	---	32.0	30.0	---
3	---	15.5	8.5	---			---	20.5	---	31.5	---	---
4	---	---	8.5	---			---	---	30.0	30.0	29.5	30.0
5	---	---	---	8.0			---	23.0	---	29.5	---	30.0
6	---	---	9.5	---			---	24.0	---	---	30.0	---
7	---	---	10.5	---			---	23.0	31.0	---	28.0	---
8	---	---	---	7.0			---	21.0	25.5	29.0	30.5	29.0
9	---	---	10.5	---			---	---	---	30.5	---	29.0
10	---	---	---	---			---	---	26.0	30.5	32.0	29.0
11	---	---	---	---			---	---	26.0	29.0	---	30.5
12	21.0	18.5	---	---			---	---	---	29.0	---	30.5
13	---	---	---	---			---	24.0	26.0	28.5	---	31.0
14	20.5	18.5	---	---			---	---	26.0	29.0	31.0	30.5
15	---	18.0	---	---			---	---	31.0	29.0	30.5	---
16	---	---	---	---			---	---	31.0	---	---	---
17	20.0	---	9.5	---			---	---	---	29.0	---	30.0
18	---	---	8.0	---			---	---	31.5	28.5	---	---
19	20.5	14.5	---	---			---	---	---	28.5	---	---
20	---	---	8.5	---			---	22.0	---	28.0	---	---
21	---	---	---	---			---	---	---	27.0	31.5	30.0
22	---	---	11.0	---			---	21.0	---	---	31.0	---
23	---	---	---	---			10.0	24.0	---	28.0	31.5	29.5
24	20.0	11.5	---	---			---	23.0	---	27.0	---	29.0
25	19.0	---	11.0	---			---	---	---	27.0	30.0	---
26	---	---	---	---			---	---	---	29.0	30.0	---
27	---	---	11.0	---			---	26.5	---	---	---	---
28	---	---	---	---			---	---	---	30.0	---	---
29	---	---	---	---			---	---	---	31.0	---	---
30	---	---	---	---			---	27.0	---	30.0	---	21.5
31	18.5	---	---	---			---	---	---	32.0	---	---

07344410 RED RIVER ABOVE SHREVEPORT, LA (CE 04225)

LOCATION.--Lat 32°32'57", long 93°45'51", in lot 14, T.18 N., R.14 W., Caddo Parish, Hydrologic Unit 11140202, near right bank, 2.7 mi (4.3 km) northeast of Shreveport Courthouse, 4.9 mi (7.9 km) upstream from mouth of Cross Bayou, 5.4 mi (8.7 km) upstream from gaging station at Illinois Central Railroad bridge at Shreveport (station 07348500), and at mile 282.5.

DRAINAGE AREA.--57,100 mi² (147,890 km²) approximately, of which 5,936 mi² (15,374 km²) above Denison Dam is noncontributing.

PERIOD OF RECORD.--Water years 1974 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: October 1974 to September 1975, October 1976 to September 1977.
WATER TEMPERATURES: October 1974 to September 1975, October 1976 to September 1977.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum daily, 1,880 micromhos June 5, 6, 1977; minimum daily, 163 micromhos Mar. 17, 1977.
WATER TEMPERATURES: Maximum daily, 32.0°C July 25, 1977; minimum daily, 4.5°C Jan. 19, 1977.

EXTREMES OUTSIDE PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: Minimum, 2.5°C Jan. 15, 1976.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE, WATER (DEG C)	COLOR (PLATINUM COBALT UNITS)	TURBIDITY (JTU)	SETTLEABLE MATTER (ML/L/HR)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLIFORM, TOTAL, IMMED. (COLS. PER 100 ML)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)
OCT												
10...	1430	1150	7.5	21.0	40	30	<1.0	8.2	49	1.0	K140	K30
NOV												
07...	0800	686	7.4	15.0	60	30	<1.0	9.3	58	2.1	K1600	K70
DEC												
04...	1630	468	7.2	9.0	20	15	<1.0	12.3	29	3.5	1100	220
JAN												
10...	0800	205	6.9	8.5	70	55	<1.0	10.8	--	2.9	1400	K500
FEB												
12...	1330	380	6.7	4.5	70	110	<1.0	12.8	38	--	360	K660
MAR												
11...	1730	911	7.6	14.0	10	45	<1.0	12.6	31	8.3	K180	K40
APR												
23...	0730	259	7.0	21.0	30	45	<1.0	8.7	30	2.8	480	100
MAY												
07...	0830	382	7.5	23.0	40	35	<1.0	8.0	30	2.5	400	120
JUN												
03...	1700	380	7.8	28.5	30	40	<1.0	7.8	26	1.7	K550	K55
JUL												
09...	0730	1000	7.5	30.5	10	6	<1.0	7.6	26	1.5	K25	<200
AUG												
05...	1700	1270	7.5	31.5	10	10	<1.0	10.2	38	4.0	200	K5
SEP												
04...	0800	1520	7.6	30.0	15	8	<1.0	6.5	30	1.6	K150	K70

DATE	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	BICARBONATE (MG/L AS HCO3)	CARBONATE (MG/L AS CO3)	ALKALINITY (MG/L AS CACO3)	CARBON DIOXIDE DISSOLVED (MG/L AS CO2)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)
OCT												
10...	230	100	65	16	153	0	125	8.0	130	200	21	.00
NOV												
07...	160	51	45	11	130	0	107	8.2	68	100	36	.03
DEC												
04...	140	23	40	10	144	0	118	14	34	53	29	.01
JAN												
10...	55	9	17	3.1	56	0	46	12	14	19	110	.16
FEB												
12...	82	26	24	5.6	69	0	57	22	43	55	200	.19
MAR												
11...	190	100	54	14	108	0	89	4.3	110	160	70	.00
APR												
23...	72	23	22	4.2	60	0	49	9.6	25	27	125	.07
MAY												
07...	88	32	26	5.5	68	0	56	3.5	42	52	114	.04
JUN												
03...	86	37	26	5.0	59	0	48	1.5	38	52	76	.02
JUL												
09...	230	100	64	17	156	0	128	8.1	110	170	48	.00
AUG												
05...	310	110	83	25	248	0	203	13	130	210	10	.00
SEP												
04...	320	170	85	25	172	0	141	6.9	180	290	24	.00

< Actual value is known to be less than the value shown.

K Results based on colony count outside the acceptable range (non-ideal count).

07344410 RED RIVER ABOVE SHREVEPORT, LA (CE 04225)--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, TOTAL (MG/L AS PO4)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC SUSPENDED TOTAL (UG/L AS AS)	ARSENIC DISSOLVED (UG/L AS AS)	BERYLLIUM, TOTAL RECOVERABLE (UG/L AS BE)	BERYLLIUM, DISSOLVED (UG/L AS BE)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CADMIUM SUSPENDED RECOVERABLE (UG/L AS CD)
OCT 10...	.04	.06	.82	.090	.28	2	0	2	0	<1	0	--
NOV 07...	.02	.05	.67	.090	.28	1	0	1	0	<1	1	0
DEC 04...	.01	.02	.66	.050	.15	1	0	1	0	<1	0	--
JAN 10...	.08	.26	.66	.110	.34	2	1	1	0	0	0	0
FEB 12...	.03	.22	.64	.180	.55	2	1	1	0	<1	3	2
MAR 11...	.01	.01	.62	.100	.31	1	1	0	0	<1	0	--
APR 23...	.01	.08	.68	.140	.43	2	2	0	0	<1	1	0
MAY 07...	.02	.06	.76	.100	.31	2	1	1	0	<1	0	--
JUN 03...	.01	.03	--	.140	.43	1	0	1	0	<1	0	--
JUL 09...	.01	.01	.71	.110	.34	2	0	2	0	<1	0	--
AUG 05...	.01	.01	1.1	.110	.34	2	0	2	0	<1	0	--
SEP 04...	.01	.01	1.1	.110	.34	2	0	2	0	<1	1	0

DATE	CADMIUM DISSOLVED (UG/L AS CD)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)	CHROMIUM, HEXAVALENT, DIS. (UG/L AS CR)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	COPPER, SUSPENDED RECOVERABLE (UG/L AS CU)	COPPER, DISSOLVED (UG/L AS CU)	IRON, DISSOLVED (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	LEAD, SUSPENDED RECOVERABLE (UG/L AS PB)	LEAD, DISSOLVED (UG/L AS PB)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	MERCURY SUSPENDED RECOVERABLE (UG/L AS HG)
OCT 10...	<1	0	0	0	--	1	30	3	3	0	.0	.0
NOV 07...	1	10	0	1	--	2	40	4	4	0	.1	.1
DEC 04...	<1	0	0	1	--	3	60	4	2	2	.1	.1
JAN 10...	0	0	0	10	10	0	30	19	19	0	.3	.1
FEB 12...	1	10	1	6	4	2	50	6	6	0	.2	--
MAR 11...	2	0	0	4	--	6	30	6	3	3	.4	.1
APR 23...	1	0	0	6	4	2	30	3	2	1	.2	.0
MAY 07...	<1	0	0	4	2	2	80	3	3	0	.1	.1
JUN 03...	2	0	0	13	5	8	80	13	13	0	.3	.3
JUL 09...	<1	10	0	6	3	3	10	6	3	3	.0	--
AUG 05...	1	0	0	4	1	3	40	6	5	1	.1	.0
SEP 04...	1	10	0	5	4	1	10	0	--	1	.1	.1

< Actual value is known to be less than the value shown.

07344410 RED RIVER ABOVE SHREVEPORT, LA (CE 04225)--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	MERCURY DIS-SOLVED (UG/L AS HG)	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI)	NICKEL, SUS-PENDED RECOV-ERABLE (UG/L AS NI)	NICKEL, DIS-SOLVED (UG/L AS NI)	SELE-NIUM, TOTAL (UG/L AS SE)	SELE-NIUM, SUS-PENDED TOTAL (UG/L AS SE)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)	VANA-DIUM, DIS-SOLVED (UG/L AS V)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)	ZINC, SUS-PENDED RECOV-ERABLE (UG/L AS ZN)	ZINC, DIS-SOLVED (UG/L AS ZN)
OCT											
10...	.0	4	4	0	0	0	0	--	--	--	10
NOV											
07...	.0	3	0	3	0	0	0	--	0	--	<3
DEC											
04...	.0	2	2	0	0	0	0	1.0	30	20	6
JAN											
10...	.2	5	5	0	0	0	0	.0	40	40	0
FEB											
12...	.3	6	4	2	0	0	0	.0	20	20	<3
MAR											
11...	.3	2	1	1	0	0	0	--	30	0	30
APR											
23...	.2	4	2	2	0	0	0	1.0	20	10	10
MAY											
07...	.0	6	3	3	0	0	0	.0	20	20	<3
JUN											
03...	.0	7	6	1	0	0	0	1.0	20	0	20
JUL											
09...	.2	2	--	4	0	0	0	--	30	30	5
AUG											
05...	.1	0	--	3	0	0	0	--	20	20	4
SEP											
04...	.0	3	0	3	0	0	0	--	20	20	<3

DATE	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	OIL AND GREASE, TOTAL RECOV. GRAVI-METRIC (MG/L)	PCB, TOTAL (UG/L)	PCB, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	NAPH-THA-LENES, POLY-CHLOR. TOTAL (UG/L)	PCN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	CHLOR-DANE, TOTAL (UG/L)
OCT											
10...	--	.00	5	0	.0	0	.00	.0	.000	.0	.0
NOV											
07...	14	.00	1	0	.0	--	.00	--	.000	--	.0
DEC											
04...	7.8	.00	2	1	.0	--	.00	--	.000	--	.0
JAN											
10...	9.8	.00	0	0	.0	--	.00	--	.000	--	.0
FEB											
12...	--	.00	3	0	.0	3	.00	.0	.000	.0	.0
MAR											
11...	7.2	.00	1	0	.0	--	.00	--	.000	--	.0
APR											
23...	10	.00	7	0	.0	0	.00	.0	.000	.0	.0
MAY											
07...	10	.00	6	0	.0	--	.00	--	.000	--	.0
JUN											
03...	9.4	.00	12	0	.0	--	.00	--	.000	--	.0
JUL											
09...	17	.00	5	0	.0	0	.00	.0	.000	.0	.0
AUG											
05...	12	.00	0	1	.0	--	.00	--	.000	--	.0
SEP											
04...	11	.02	2	1	.0	--	.00	--	.000	--	.0

< Actual value is known to be less than the value shown.

07344410 RED RIVER ABOVE SHREVEPORT, LA (CE 04225)--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	CHLORDANE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDE, TOTAL (UG/L)	DDE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIAZINON, TOTAL (UG/L)	DIAZINON, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIELDRIN TOTAL (UG/L)	DIELDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)
OCT 10...	0	.000	.2	.000	2.0	.000	.2	.00	.0	.000	.0
NOV 07...	--	.000	--	.000	--	.000	--	.00	--	.000	--
DEC 04...	--	.000	--	.000	--	.000	--	.00	--	.000	--
JAN 10...	--	.000	--	.000	--	.000	--	.01	--	.000	--
FEB 12...	0	.000	.0	.000	.8	.000	.6	.00	.0	.000	.0
MAR 11...	--	.000	--	.000	--	.000	--	.01	--	.000	--
APR 23...	0	.000	.6	.000	1.2	.000	1.0	.00	.0	.000	.0
MAY 07...	--	.000	--	.000	--	.000	--	.00	--	.000	--
JUN 03...	--	.000	--	.000	--	.000	--	.00	--	.000	--
JUL 09...	0	.000	1.6	.000	4.8	.000	2.1	.00	.0	.000	.0
AUG 05...	--	.000	--	.000	--	.000	--	.00	--	.000	--
SEP 04...	--	.000	--	.000	--	.000	--	.00	--	.000	--

DATE	ENDOSULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ENDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ETHION, TOTAL (UG/L)	ETHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR, TOTAL (UG/L)	HEPTACHLOR, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR EPOXIDE TOTAL (UG/L)	HEPTACHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOTTOM MATERIAL (UG/KG)
OCT 10...	.000	.000	.0	.00	.0	.000	.0	.000	.0	.000	.0
NOV 07...	.000	.000	--	.00	--	.000	--	.000	--	.000	--
DEC 04...	.000	.000	--	.00	--	.000	--	.000	--	.000	--
JAN 10...	.000	.000	--	.00	--	.000	--	.000	--	.000	--
FEB 12...	.000	.000	.0	.00	.0	.000	.0	.000	.0	.000	.3
MAR 11...	.000	.000	--	.00	--	.000	--	.000	--	.000	--
APR 23...	.000	.000	.0	.00	.0	.000	.0	.000	.0	.000	.0
MAY 07...	.000	.000	--	.00	--	.000	--	.000	--	.000	--
JUN 03...	.000	.000	--	.00	--	.000	--	.000	--	.000	--
JUL 09...	.000	.000	.0	.00	.0	.000	.0	.000	.0	.000	.0
AUG 05...	.000	.000	--	.00	--	.000	--	.000	--	.000	--
SEP 04...	.000	.000	--	.00	--	.000	--	.000	--	.000	--

07344410 RED RIVER ABOVE SHREVEPORT, LA (CE 04225)--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	MALA-THION, TOTAL (UG/L)	MALA-THION, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	METH-OXY-CHLOR, TOTAL (UG/L)	METH-OXY-CHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARA-THION, TOTAL (UG/L)	METHYL PARA-THION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRI-THION, TOTAL (UG/L)	METHYL TRI-THION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, TOTAL (UG/L)	MIREX, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)
OCT										
10...	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0
NOV										
07...	.00	--	.00	--	.00	--	.00	--	.00	--
DEC										
04...	.00	--	.00	--	.00	--	.00	--	.00	--
JAN										
10...	.00	--	.00	--	.00	--	.00	--	.00	--
FEB										
12...	.00	.0	.01	.0	.00	.0	.00	.0	.00	.0
MAR										
11...	.00	--	.00	--	.00	--	.00	--	.00	--
APR										
23...	.00	.0	--	.0	.00	.0	.00	.0	.00	.0
MAY										
07...	.00	--	.00	--	.00	--	.00	--	.00	--
JUN										
03...	.00	--	.00	--	.00	--	.00	--	.00	--
JUL										
09...	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0
AUG										
05...	.00	--	.00	--	.00	--	.00	--	.00	--
SEP										
04...	.00	--	.00	--	.00	--	.00	--	.00	--

DATE	PARA-THION, TOTAL (UG/L)	PARA-THION, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	PER-THANE TOTAL (UG/L)	TOX-APHENE, TOTAL (UG/L)	TOXA-PHENE, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	TOTAL TRI-THION (UG/L)	TRI-THION, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	2,4-D, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
OCT										
10...	.00	.0	.00	.0	0	.00	.0	.00	.00	.00
NOV										
07...	.00	--	.00	.0	--	.00	--	.02	.01	.01
DEC										
04...	.00	--	.00	.0	--	.00	--	--	--	--
JAN										
10...	.00	--	.00	.0	--	.00	--	.01	.00	.00
FEB										
12...	.00	.0	.00	.0	0	.00	.0	.01	.00	.00
MAR										
11...	.00	--	.00	.0	--	.00	--	--	--	--
APR										
23...	.00	.0	.00	.0	0	.00	.0	.00	.00	.00
MAY										
07...	.00	--	.00	.0	--	.00	--	.03	.00	.00
JUN										
03...	.00	--	.00	.0	--	.00	--	.07	.06	.00
JUL										
09...	.00	.0	.00	.0	0	.00	.0	.05	.14	.00
AUG										
05...	.00	--	.00	.0	--	.00	--	.01	.16	.00
SEP										
04...	.00	--	.00	.0	--	.00	--	.00	.03	.00

07344450 PAW PAW BAYOU NEAR GREENWOOD, LA

LOCATION.--Lat 32°31'00", long 93°58'20", in SE¼ sec.26, T.18 N., R.16 W., Caddo Parish, Hydrologic Unit 11140304, near center of span on downstream side of bridge on State Highway 169, 1 mi (2 km) upstream from Cross Lake, 5.1 mi (8.2 km) north of Greenwood, and 11 mi (18 km) west of Shreveport.

DRAINAGE AREA.--80.5 mi^2 (208 km^2).

PERIOD OF RECORD.--October 1955 to current year.

REVISED RECORDS.--WDR LA-78-1: Drainage area. WDR LA-79-1: 1957(P), 1958, 1958-62(P), 1964(P), 1966(P), 1969(P), 1973-75(P).

GAGE.--Water-stage recorder. Datum of gage is 170.35 ft (51.923 m) National Geodetic Vertical Datum of 1929.

REMARKS.--Records good. Records of dissolved oxygen and water temperatures for the water year 1980 are published under miscellaneous water-quality sites in this report.

AVERAGE DISCHARGE.--25 years, 65.7 ft^3/s (1.861 m^3/s), 11.08 in/yr (281 mm/yr), 47,600 acre-ft/yr (58.7 hm^3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 16,500 ft^3/s (467 m^3/s) Apr. 27,1958, gage height, 13.84 ft (4.218 m) from rating curve extended above 8,100 ft^3/s (229 m^3/s); no flow at times each year.

EXTREMES FOR CURRENT YEAR.--Peak discharge above base of 1,200 ft^3/s (34 m^3/s) and maximum (*):

Date	Time	Discharge (ft^3/s)	Discharge (m^3/s)	Gage height (ft)	Gage height (m)	Date	Time	Discharge (ft^3/s)	Discharge (m^3/s)	Gage height (ft)	Gage height (m)
Jan. 23	0445	1660	47.0	9.95	3.033	Apr. 13	1900	2760	78.2	10.68	3.255
Feb. 9	1830	1590	45.0	9.86	3.005	May 16	1200	*3100	87.8	*10.84	3.304

No flow Oct. 9-16, 18-21, July 12 to Sept. 30.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.70	40	7.7	30	44	56	169	26	8.8	1.6	.00	.00
2	.46	16	6.7	22	32	104	60	35	7.4	1.2	.00	.00
3	.36	7.1	6.1	36	27	50	41	136	6.7	.98	.00	.00
4	.19	4.0	5.6	91	25	32	31	73	5.8	.78	.00	.00
5	.09	2.5	5.4	60	25	29	25	30	5.0	.58	.00	.00
6	.06	1.7	5.5	35	38	25	21	22	4.4	.42	.00	.00
7	.05	1.2	5.3	26	37	22	19	19	3.8	.32	.00	.00
8	.03	.98	5.1	21	114	21	17	16	3.5	.18	.00	.00
9	.00	1.0	4.8	18	1130	20	15	15	4.0	.10	.00	.00
10	.00	1.2	4.6	15	1360	18	13	14	10	.07	.00	.00
11	.00	2.9	4.5	15	658	17	36	13	8.7	.03	.00	.00
12	.00	2.7	6.8	14	327	53	895	17	5.7	.00	.00	.00
13	.00	2.3	60	13	105	127	2360	245	4.1	.00	.00	.00
14	.00	1.9	89	12	67	59	1990	390	3.2	.00	.00	.00
15	.00	1.4	43	9.2	52	29	1050	214	2.4	.00	.00	.00
16	.00	1.1	24	13	46	24	457	2160	2.0	.00	.00	.00
17	.01	.85	16	23	41	31	94	1430	1.7	.00	.00	.00
18	.00	.71	11	27	39	29	58	752	1.5	.00	.00	.00
19	.00	.54	9.2	21	37	23	42	156	3.4	.00	.00	.00
20	.00	.45	8.1	19	35	37	32	42	6.9	.00	.00	.00
21	.00	27	7.7	53	31	65	26	29	19	.01	.00	.00
22	1.3	323	25	645	27	45	23	94	47	.00	.00	.00
23	4.1	394	153	1490	23	28	20	490	156	.00	.00	.00
24	12	207	444	1000	20	111	18	576	45	.00	.00	.00
25	4.6	61	568	408	18	169	111	107	13	.00	.00	.00
26	2.3	29	220	101	16	57	876	34	7.6	.00	.00	.00
27	1.3	16	55	59	14	37	791	23	5.0	.00	.00	.00
28	.84	13	33	42	14	123	258	16	3.5	.00	.00	.00
29	.54	11	32	37	14	342	52	13	2.6	.00	.00	.00
30	2.1	8.8	45	48	---	728	31	11	2.0	.00	.00	.00
31	34	---	40	54	---	660	---	9.9	---	.00	.00	---
TOTAL	65.03	1182.33	1951.1	4457.2	4616	3171	9631	7207.9	399.7	6.27	.00	.00
MEAN	2.10	39.4	62.9	144	159	102	321	233	13.3	.20	.000	.000
MAX	34	394	568	1490	1360	728	2360	2160	156	1.6	.00	.00
MIN	.00	.45	4.5	9.2	14	17	13	9.9	1.5	.00	.00	.00
CFSM	.03	.51	.81	1.85	2.04	1.31	4.12	2.99	.17	.003	.000	.000
IN.	.03	.56	.93	2.13	2.20	1.51	4.59	3.44	.19	.00	.00	.00
AC-FT	129	2350	3870	8840	9160	6290	19100	14300	793	12	.00	.00

CAL YR 1979 TOTAL 57098.33 MEAN 156 MAX 7040 MIN .00 CFSM 2.00 IN 27.23 AC-FT 113300
WTR YR 1980 TOTAL 32687.53 MEAN 89.3 MAX 2360 MIN .00 CFSM 1.15 IN 15.59 AC-FT 64840

07344450 PAW PAW BAYOU NEAR GREENWOOD, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.40	3.57	2.12	3.43	3.90	4.10	6.02	3.24	2.44	1.64	.57	
2	1.36	2.58	2.04	3.13	3.50	5.27	4.35	3.58	2.33	1.56	.56	
3	1.33	2.07	1.99	3.56	3.32	4.07	3.81	5.73	2.28	1.53	.55	
4	1.29	1.82	1.95	5.03	3.21	3.51	3.47	4.56	2.20	1.49	.54	
5	1.26	1.67	1.94	4.35	3.22	3.38	3.20	3.38	2.13	1.45		
6	1.24	1.57	1.96	3.64	3.71	3.23	3.04	3.09	2.07	1.41		
7	1.23	1.51	1.94	3.29	3.67	3.09	2.96	2.94	1.99	1.38		
8	1.21	1.47	1.92	3.11	4.67	3.04	2.90	2.84	1.96	1.34		
9	1.19	1.40	1.90	2.95	9.15	3.00	2.80	2.77	2.01	1.31		
10	1.17	1.51	1.88	2.83	9.55	2.94	2.70	2.71	2.51	1.26		
11	1.18	1.72	1.87	2.82	8.74	2.88	3.19	2.66	2.43	1.24		
12	1.15	1.69	2.04	2.79	7.17	4.00	8.77	2.85	2.20	1.20		
13	1.11	1.64	4.09	2.72	5.27	5.68	10.46	6.76	2.03	1.18		
14	1.07	1.59	4.97	2.67	4.52	4.29	10.17	7.63	1.91	1.16		
15	1.05	1.53	3.81	2.38	4.17	3.37	9.07	6.25	1.80	1.14		
16	1.07	1.49	3.13	2.73	3.98	3.20	7.65	10.22	1.73	1.10		
17	1.15	1.45	2.77	3.17	3.82	3.45	5.06	9.62	1.68	.99		
18	1.17	1.43	2.55	3.34	3.73	3.36	4.31	8.52	1.65	.82		
19	1.19	1.40	2.43	3.06	3.69	3.14	3.84	5.75	1.90	.70		.56
20	1.18	1.38	2.34	3.02	3.60	3.67	3.47	3.82	2.25	.62		.55
21	1.15	2.63	2.32	4.10	3.46	4.49	3.25	3.34	2.93	.75		
22	1.46	7.31	3.03	7.91	3.29	3.94	3.10	4.67	3.58	1.16		
23	1.74	7.64	6.01	9.74	3.13	3.33	2.98	7.86	6.01	1.14		
24	2.37	6.55	7.78	8.99	3.01	5.14	2.89	8.14	3.83	1.12		
25	1.86	4.21	8.15	7.49	2.92	6.19	4.63	5.12	2.66	1.09		
26	1.63	3.12	6.39	5.20	2.82	4.27	8.73	3.56	2.33	1.03		
27	1.49	2.67	4.23	4.33	2.76	3.66	8.62	2.98	2.10	.94		
28	1.42	2.43	3.57	3.82	2.74	5.46	6.59	2.81	1.93	1.08		
29	1.37	2.31	3.50	3.67	2.76	7.31	4.10	2.68	1.81	.89		
30	1.49	2.20	3.97	4.04	---	8.49	3.44	2.59	1.71	.70		
31	3.31	---	3.80	4.22	---	8.34	---	2.51	---	.59		---
MEAN	1.40	2.52	3.30	4.11	4.26	4.30	4.99	4.68	2.35	1.13	---	---
MAX	3.31	7.64	8.15	9.74	9.55	8.49	10.46	10.22	6.01	1.64	.57	.56
MIN	1.05	1.38	1.87	2.36	2.74	2.88	2.70	2.51	1.65	.59	---	---

NOTE.--Gage heights below lowest recordable stage of 0.53 ft, Aug. 5 to Sept. 18, Sept. 21-30.

07348000 TWELVEMILE BAYOU NEAR DIXIE, LA
(National stream-quality accounting network station)

LOCATION.--Lat 32°38'45", long 93°52'40", in NW¼NW¼ sec.14, T.19 N., R.15 W., Caddo Parish, Hydrologic Unit 11140304, near right bank on downstream side of pier of bridge on State Highway 173, 0.1 mi (0.2 km) downstream from Cottonwood Bayou, 4.2 mi (6.8 km) southwest of Dixie, 5.5 mi (8.8 km) downstream from Caddo Lake, and 17.3 mi (27.8 km) upstream from mouth.

DRAINAGE AREA.--3,137 mi^2 (8,135 km^2).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--August 1942 to current year.

REVISED RECORDS.--WSP 1211: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 140.00 ft (42.672 m) National Geodetic Vertical Datum of 1929. Prior to Sept. 5, 1947, nonrecording gage and Sept. 5, 1974, to Sept. 30, 1950, water-stage recorder at datum 5.88 ft (1.792 m) higher. Oct. 1, 1950, to Sept. 30, 1962, water-stage recorder at datum 3.88 ft (1.183 m) higher. Nonrecording gage for Red River at Shreveport (station 07348500) used as auxiliary gage for this station. Nonrecording gage at site 4.8 mi (7.7 km) upstream from base gage used as supplementary gage to compute daily discharge for 1979 and 1980 water years. Datum of gage is National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers).

REMARKS.--Records fair. No gage heights available at base gage for 1980 water year. Flow regulated by three reservoirs (combined usable capacity, 1,033,700 acre-ft or 1.27 km^3, of which 587,200 acre-ft or 0.724 km^3 is available for storage) since August 1957.

AVERAGE DISCHARGE.--38 years, 2,614 ft^3/s (74.03 m^3/s), 1,894,000 acre-ft/yr (2.34 km^3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 38,400 ft^3/s (1,090 m^3/s) May 5, 1958; maximum daily reverse flow, 50 ft^3/s (1.42 m^3/s) Aug. 5, 1975 (backwater from Red River); maximum gage height, 39.53 ft (12.049 m) Apr. 5, 1945, and May 5, 1958, present datum; minimum discharge (unaffected by backwater), 0.08 ft^3/s (0.002 m^3/s) Aug. 24, 1972.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 12,400 ft^3/s (351 m^3/s) Feb. 11; minimum daily (unaffected by backwater), 7.2 ft^3/s (0.204 m^3/s) July 26.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5110	2000	2220	6340	9160	4060	7630	6270	2840	480	15	21
2	5150	2500	2030	6180	8330	3850	7310	6230	2520	360	13	18
3	4590	2600	2080	6320	8070	3590	6970	6420	2220	286	10	14
4	4480	2400	2060	6240	7250	3140	6460	6360	2010	186	8.9	14
5	4180	2000	1940	5820	7120	2750	5900	6330	1820	170	8.3	14
6	4100	1800	1830	5360	6910	2630	5580	6120	1720	93	8.8	14
7	3830	1600	1700	5020	6540	2450	5450	5850	1550	46	9.2	13
8	3820	1400	1660	4550	7290	2310	5440	5420	1500	40	8.9	11
9	3880	1830	1600	4220	10000	2040	5000	5210	1980	50	8.0	12
10	3400	2250	1550	3980	11800	1760	4390	4880	2100	40	7.8	10
11	2660	2000	1500	3760	12400	1490	4100	4660	2130	35	7.8	11
12	2270	1830	1800	3220	11300	1780	5640	4390	1650	30	7.8	11
13	2020	1770	1500	3140	11000	2230	9430	5930	1400	20	7.4	9.0
14	1640	1640	1400	3120	10700	1940	9050	5390	1320	10	9.5	9.2
15	1490	1640	1640	2960	10500	1790	8650	5300	990	9.0	19	10
16	1400	1650	1780	2960	10100	2120	8330	8640	780	8.0	21	11
17	1300	1640	1720	2970	10200	2440	8270	9900	900	8.5	21	12
18	1200	1650	1790	3040	9720	2640	8350	9760	750	10	21	14
19	1100	1660	1940	3190	9300	3160	8360	9270	510	8.0	20	14
20	1000	1800	1940	3260	8970	3820	8290	8330	360	13	20	13
21	900	3000	1950	3840	8510	4350	8210	7300	1080	13	20	11
22	1500	3210	2240	6270	8170	4480	8000	7190	1440	38	20	11
23	2000	3190	2940	8320	7560	4580	7710	6810	1710	29	19	11
24	2200	3180	4650	8650	7010	5160	7500	5850	1410	25	18	11
25	2000	2980	4590	9660	6830	5640	7890	5190	1320	11	17	9.4
26	1800	2790	4210	10400	6360	5500	8770	4550	1160	7.2	15	10
27	1600	2430	4480	10800	5730	5440	8160	4110	966	7.3	16	9.2
28	1400	2470	4870	11000	5250	6050	6790	3720	855	11	21	11
29	1200	2500	5660	10800	4460	6980	6730	3480	750	16	19	17
30	1000	2310	6440	11100	---	8420	6100	3240	657	22	19	22
31	1500	---	6990	10400	---	8060	---	3070	---	20	20	---
TOTAL	75720	65720	84700	186890	246540	116650	214460	185170	42398	2102.0	456.4	377.8
MEAN	2443	2191	2732	6029	8501	3763	7149	5973	1413	67.8	14.7	12.6
MAX	5150	3210	6990	11100	12400	8420	9430	9900	2840	480	21	22
MIN	900	1400	1400	2960	4460	1490	4100	3070	360	7.2	7.4	9.0
AC-FT	150200	130400	168000	370700	489000	231400	425400	367300	84100	4170	905	749

CAL YR 1979 TOTAL 1647349.0 MEAN 4513 MAX 16400 MIN 180 AC-FT 3268000
WTR YR 1980 TOTAL 1221184.2 MEAN 3337 MAX 12400 MIN 7.2 AC-FT 2422000

07348000 TWELVEMILE BAYOU NEAR DIXIE, LA--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1944, 1953-55, 1958-59, 1960, 1969-70, 1978 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: April 1978 to current year.
WATER TEMPERATURES: April 1978 to current year.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum daily, 3,760 micromhos Aug. 26, 1978; minimum daily, 76 micromhos Feb. 12, 1980.
WATER TEMPERATURES: Maximum daily, 36.0°C June 27, 1978; minimum daily, 4.0°C Jan. 14, Feb. 7, 1979.

EXTREMES FOR CURRENT YEAR.--
SPECIFIC CONDUCTANCE: Maximum daily, 3,500 micromhos Sep. 7; minimum daily, 76 micromhos Feb. 12.
WATER TEMPERATURES: Maximum daily, 34.5°C July 7; minimum daily, 5.0°C Feb. 10, 11.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	STREAM-FLOW (CFS)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	TEMPER-ATURE, WATER (DEG C)	COLOR (PLAT-INUM COBALT UNITS)	TUR-BID-ITY (NTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./100 ML)	STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)
OCT											
10...	1500	3400	116	6.5	22.0	40	17	8.5	.8	K60	K50
NOV											
07...	0945	1600	193	6.5	15.0	30	16	9.3	1.9	K70	160-
DEC											
05...	0800	1940	184	6.6	9.0	30	11	10.8	3.2	K20	K30
JAN											
10...	1000	3980	150	6.4	9.0	60	--	10.8	--	K50	150
FEB											
12...	1430	11300	87	6.3	5.5	70	28	13.4	--	K65	220
MAR											
12...	0800	1780	171	6.6	14.0	30	--	10.6	2.9	1000	560
APR											
23...	0930	7710	123	6.6	21.5	60	15	8.8	2.2	K30	1300
MAY											
06...	1745	6120	134	6.2	25.0	30	20	8.2	5.4	K8	390
JUN											
03...	1600	2220	176	7.5	29.0	60	18	7.7	3.0	K5	140
JUL											
09...	0920	50	792	6.5	32.0	5	19	6.0	.4	K5	760
AUG											
05...	1530	8.3	2690	7.7	31.0	5	12	8.8	3.2	K90	--
SEP											
03...	1715	14	3040	7.7	32.0	10	--	9.5	3.5	--	360

DATE	HARD-NESS (MG/L AS CACO3)	HARD-NESS, NONCAR-BONATE (MG/L CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM AD-SORP-TION RATIO	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	BICAR-BONATE (MG/L AS HCO3)	CAR-BONATE (MG/L AS CO3)	ALKA-LINITY (MG/L AS CACO3)
OCT											
10...	25	8	6.3	2.2	12	48	1.0	3.0	20	0	16
NOV											
07...	31	16	7.4	3.1	19	54	1.5	3.4	18	0	15
DEC											
05...	31	16	7.6	2.9	22	67	1.7	4.0	18	0	15
JAN											
10...	25	14	5.7	2.6	16	55	1.4	3.1	13	0	11
FEB											
12...	16	7	4.1	1.5	9.0	50	1.0	2.4	12	0	10
MAR											
12...	34	18	7.8	3.6	17	50	1.3	2.4	20	0	16
APR											
23...	22	10	5.3	2.2	13	53	1.2	2.3	15	0	12
MAY											
06...	26	11	6.0	2.6	12	46	1.0	3.7	18	0	15
JUN											
03...	30	11	7.2	3.0	17	52	1.3	3.1	23	0	19
JUL											
09...	150	76	33	17	86	55	3.0	3.1	93	0	76
AUG											
05...	620	310	120	77	330	54	5.8	5.0	372	0	305
SEP											
03...	600	320	120	72	450	62	8.0	5.2	341	0	280

K Results based on colony count outside the acceptable range (non-ideal count).

07348000 TWELVEMILE BAYOU NEAR DIXIE, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO2)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)
OCT 10...	10	16	16	.1	9.5	82	75	.11	.91	.02	.12
NOV 07...	9.3	14	34	.1	9.8	113	100	.15	--	.09	--
DEC 05...	7.2	12	37	.1	10	120	105	.16	.05	.04	.02
JAN 10...	8.2	12	26	.1	11	103	83	.14	--	.21	.02
FEB 12...	9.8	10	13	.0	9.2	53	55	.07	--	.10	.09
MAR 12...	8.0	19	27	.1	6.8	110	94	.15	.19	.04	.01
APR 23...	6.0	13	21	.2	6.7	85	71	.12	.01	.02	.04
MAY 06...	18	14	21	.1	7.4	90	76	.12	.05	.08	.38
JUN 03...	1.2	9.1	28	.1	9.0	110	88	.15	.06	.07	.25
JUL 09...	48	54	160	.2	11	483	410	.66	.05	.07	.09
AUG 05...	12	200	600	.4	7.2	1580	1520	2.15	.00	.00	.00
SEP 03...	11	170	790	.3	8.1	1790	1780	2.43	.00	.02	.00

DATE	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS NH4)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS NH4)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC DIS- SOLVED (MG/L AS N)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, NH4 + ORG. SUSP. TOTAL (MG/L AS N)	NITRO- GEN, AM- MONIA + ORGANIC DIS. (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN, DIS- SOLVED (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS NO3)
OCT 10...	.03	.15	.04	.88	.63	1.0	.34	.66	1.9	.68	8.5
NOV 07...	.07	--	.09	--	.88	.91	--	.95	--	1.0	--
DEC 05...	.02	.02	.03	1.1	.88	1.1	.20	.90	1.2	.94	5.1
JAN 10...	.00	.02	.00	1.1	1.0	1.1	.10	1.0	--	1.2	--
FEB 12...	.11	.11	.14	.56	.55	.65	--	.66	--	.76	--
MAR 12...	.00	.01	.00	1.1	.66	1.1	.44	.66	1.3	.70	5.7
APR 23...	.06	.05	.08	1.6	.92	1.6	.62	.98	1.6	1.0	7.1
MAY 06...	.34	.46	.44	1.2	1.2	1.6	.10	1.5	1.7	1.6	7.3
JUN 03...	.20	.30	.26	1.5	1.3	1.7	.20	1.5	1.8	1.6	7.8
JUL 09...	.08	.11	.10	1.0	.57	1.1	.45	.65	1.2	.72	5.1
AUG 05...	.00	.00	.00	.63	--	.63	--	--	.63	--	2.8
SEP 03...	.00	.00	.00	1.3	1.2	1.3	.10	1.2	1.3	1.3	5.8

07348000 TWELVEMILE BAYOU NEAR DIXIE, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, TOTAL (MG/L AS PO4)	PHOSPHORUS, DISSOLVED (MG/L AS P)	SILVER, TOTAL RECOVERABLE (UG/L AS AG)	SILVER, SUSPENDED RECOVERABLE (UG/L AS AG)	SILVER, DISSOLVED (UG/L AS AG)	CARBON, ORGANIC TOTAL (MG/L AS C)	CARBON, ORGANIC DISSOLVED (MG/L AS C)	CARBON, ORGANIC SUSPENDED (MG/L AS C)
OCT 10...	.050	.15	.010	0	0	0	--	--	--
NOV 07...	.050	.15	.010	--	--	--	9.8	--	--
DEC 05...	.050	.15	.020	0	--	--	7.3	--	--
JAN 10...	.000	.00	.010	0	0	0	--	8.3	1.1
FEB 12...	.060	.18	.010	--	--	--	8.0	--	--
MAR 12...	.050	.15	.030	0	--	--	6.7	--	--
APR 23...	.040	.12	.020	0	0	0	--	10	.6
MAY 06...	.060	.18	.030	0	--	--	11	--	--
JUN 03...	.090	.28	.010	--	--	--	16	--	--
JUL 09...	.110	.34	.020	0	0	0	--	10	.4
AUG 05...	.050	.15	.020	0	--	--	6.9	--	--
SEP 03...	.050	.15	.010	--	--	--	15	--	--

DATE	ARSENIC TOTAL (UG/L AS AS)	ARSENIC SUSPENDED TOTAL (UG/L AS AS)	ARSENIC DISSOLVED (UG/L AS AS)	BARIUM, TOTAL RECOVERABLE (UG/L AS BA)	BARIUM, SUSPENDED RECOVERABLE (UG/L AS BA)	BARIUM, DISSOLVED (UG/L AS BA)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CADMIUM DISSOLVED (UG/L AS CD)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)	CHROMIUM, SUSPENDED RECOV. (UG/L AS CR)
OCT 10...	1	1	0	200	160	40	0	<1	0	0
JAN 10...	0	0	0	100	40	60	0	<1	0	0
APR 23...	0	0	0	200	150	50	1	2	0	0
JUL 09...	2	1	1	200	0	200	0	2	--	--

DATE	CHROMIUM, DISSOLVED (UG/L AS CR)	COBALT, TOTAL RECOVERABLE (UG/L AS CO)	COBALT, DISSOLVED (UG/L AS CO)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	COPPER, SUSPENDED RECOVERABLE (UG/L AS CU)	COPPER, DISSOLVED (UG/L AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	IRON, SUSPENDED RECOVERABLE (UG/L AS FE)	IRON, DISSOLVED (UG/L AS FE)
OCT 10...	0	0	<3	1	--	2	1100	1000	80
JAN 10...	0	2	3	5	5	0	1200	1100	60
APR 23...	0	0	<1	6	2	4	1700	1600	100
JUL 09...	10	0	<3	13	9	4	880	870	10

< Actual value is known to be less than the value shown.

07348000 TWELVEMILE BAYOU NEAR DIXIE, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	LEAD, SUSPENDED RECOVERABLE (UG/L AS PB)	LEAD, DISSOLVED (UG/L AS PB)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	MANGANESE, SUSPENDED RECOV. (UG/L AS MN)	MANGANESE, DISSOLVED (UG/L AS MN)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	MERCURY SUSPENDED RECOVERABLE (UG/L AS HG)	MERCURY DISSOLVED (UG/L AS HG)
OCT 10...	4	4	0	140	130	7	.0	.0	.0
JAN 10...	4	4	0	70	40	30	.2	.0	.2
APR 23...	3	--	4	80	70	7	.2	.1	.1
JUL 09...	38	35	3	420	140	280	.0	--	.2

DATE	NICKEL, TOTAL RECOVERABLE (UG/L AS NI)	NICKEL, SUSPENDED RECOVERABLE (UG/L AS NI)	NICKEL, DISSOLVED (UG/L AS NI)	SELENIUM, TOTAL (UG/L AS SE)	SELENIUM, SUSPENDED TOTAL (UG/L AS SE)	SELENIUM, DISSOLVED (UG/L AS SE)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)	ZINC, SUSPENDED RECOVERABLE (UG/L AS ZN)	ZINC, DISSOLVED (UG/L AS ZN)
OCT 10...	4	4	0	0	0	0	--	--	10
JAN 10...	1	1	0	0	0	0	10	7	3
APR 23...	5	4	1	0	0	0	20	10	9
JUL 09...	11	8	3	0	0	0	20	10	6

DATE	PHYTOPLANKTON, TOTAL (CELLS PER ML)	SEDIMENT, SUSPENDED (MG/L)	SEDIMENT DISCHARGE, SUSPENDED (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT 10...	--	94	863	68
NOV 07...	49000	80	346	89
DEC 05...	--	37	194	92
JAN 08...	--	44	473	82
FEB 12...	--	19	580	95
MAR 12...	11000	34	163	65
APR 23...	--	68	1420	95
MAY 06...	6000	52	859	81
JUN 03...	18000	94	563	88
JUL 09...	110000	72	9.7	97
AUG 05...	--	398	8.9	89
SEP 03...	--	308	12	83

07348000 TWELVEMILE BAYOU NEAR DIXIE, LA--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	278			121	---	124	130	142	255	2540	3290
2	125	---			108	---	144	125	148	294	2460	3130
3	125	---			104	---	148	131	154	340	---	3010
4	---	---			116	---	154	127	155	383	2570	3090
5	---	165			103	---	153	125	161	389	2740	3250
6	---	---			102	---	154	---	183	490	2730	3410
7	---	---			100	---	154	122	---	623	2720	3500
8	117	---			103	---	155	128	186	724	2750	3380
9	---	199			80	---	150	127	211	777	---	3230
10	---	---			85	---	151	125	260	1120	2940	3190
11	110	---			84	---	---	---	207	1330	2990	3250
12	113	---			76	175	161	---	195	1320	3190	3310
13	---	---			99	183	---	---	---	1600	3180	3360
14	---	---			93	175	138	137	206	1710	3190	3320
15	137	---			114	170	129	---	195	1920	3120	3240
16	---	---			109	172	124	---	207	1980	---	3200
17	138	181			111	170	125	---	237	---	---	3180
18	---	---			103	149	127	---	244	---	3180	3390
19	---	---			114	126	125	---	242	2620	---	3380
20	---	---			115	135	---	---	252	2600	---	3400
21	186	183			111	143	122	126	267	2580	---	3390
22	184	---			111	148	122	146	---	2630	3160	3400
23	---	---			115	---	122	146	209	2780	---	3420
24	213	---			114	163	120	143	212	2760	3180	3350
25	---	---			117	150	---	141	210	2920	3220	3280
26	---	164			97	168	141	142	---	---	3230	3200
27	---	---			124	160	---	141	224	---	3210	3230
28	---	---			127	161	---	138	226	2910	3170	3250
29	---	168			125	155	133	138	216	2880	---	3180
30	375	---			---	148	134	142	251	2890	---	3260
31	---	---			---	147	---	143	---	2660	---	---

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1					7.0	---	11.5	22.0	29.0	29.0	28.0	30.0
2					7.5	---	14.0	18.0	29.0	30.5	31.0	31.0
3					6.0	---	15.0	18.0	29.5	30.0	---	29.0
4					7.0	---	15.0	24.5	29.0	29.5	30.0	30.0
5					7.0	---	15.0	26.0	30.0	30.0	26.0	29.0
6					8.0	---	15.5	---	30.0	34.0	27.0	29.0
7					7.5	---	17.0	24.5	---	34.5	26.5	31.0
8					7.5	---	15.0	23.5	30.0	29.0	26.0	30.0
9					5.5	---	15.0	24.0	28.0	30.0	---	29.0
10					5.0	---	16.0	24.0	27.5	34.0	25.0	30.0
11					5.0	---	---	---	29.0	34.0	25.0	30.0
12					6.0	14.0	14.5	---	26.0	33.0	30.0	31.0
13					7.0	13.0	---	---	---	32.0	31.0	32.0
14					7.5	12.0	10.0	23.0	29.5	32.5	26.0	30.0
15					9.0	15.0	12.0	---	30.5	33.5	25.0	28.0
16					8.0	15.0	14.0	---	30.0	31.5	---	28.0
17					6.5	15.0	14.0	---	30.5	---	---	28.0
18					7.0	13.0	14.0	---	24.5	---	31.0	30.0
19					8.0	11.0	15.0	---	27.0	31.0	---	30.0
20					7.5	12.0	---	---	28.0	32.0	---	28.0
21					---	11.0	18.0	25.5	24.5	31.0	---	31.0
22					---	15.0	18.0	25.0	---	30.0	30.0	30.0
23					---	---	22.0	25.5	25.0	31.0	---	31.5
24					9.0	14.0	23.5	26.0	26.5	30.0	30.0	31.0
25					---	12.0	---	26.5	27.0	27.5	29.0	27.0
26					9.5	12.5	19.5	28.0	---	---	30.0	26.0
27					12.0	14.5	---	27.5	28.0	---	29.0	25.0
28					13.0	12.5	---	28.0	30.0	25.0	28.0	27.0
29					10.0	10.5	21.5	28.0	---	31.0	---	27.0
30					---	10.5	22.0	28.5	28.0	31.0	---	28.0
31					---	11.5	---	29.0	---	33.5	---	---

07348000 TWELVEMILE BAYOU NEAR DIXIE, LA--Continued

PHYTOPLANKTON ANALYSES, OCTOBER 1979 TO JULY 1980

DATE	NOV 7,79	MAR 12,80	MAY 6,80	JUN 3,80	JUL 9,80
TIME	0945	0800	1745	1600	0920
TOTAL CELLS/ML	49000	11000	6000	18000	110000
DIVERSITY: DIVISION	0.4	1.4	1.2	1.1	0.4
.CLASS	0.4	1.4	1.2	1.1	0.4
..ORDER	0.8	2.1	1.8	1.6	0.6
...FAMILY	1.3	2.4	2.1	1.7	1.4
....GENUS	1.5	2.7	2.9	2.0	1.5

ORGANISM	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT
CHLOROPHYTA (GREEN ALGAE)										
.CHLOROPHYCEAE										
..CHLOROCOCCALES										
...CHARACIACEAE										
....SCHROEDERIA	--	-	--	-	*	0	--	-	*	0
...COELASTRACEAE										
....COELASTRUM	620	1	--	-	--	-	200	1	--	-
...MICRACTINIACEAE										
....GOLENKINIA	--	-	--	-	--	-	*	0	*	0
...OOCYSTACEAE										
....ANKISTRODESMUS	*	0	1900#	18	280	5	370	2	*	0
....CHLORELLA	--	-	--	-	--	-	--	-	*	0
....CHODATELLA	--	-	--	-	*	0	--	-	*	0
....DICTYOSPHAERIUM	--	-	530	5	390	6	--	-	--	-
....GLOEOACTINIUM	--	-	--	-	51	1	--	-	--	-
....KIRCHNERIELLA	390	1	170	2	--	-	*	0	--	-
....OOCYSTIS	--	-	--	-	*	0	--	-	710	1
....SELENASTRUM	--	-	--	-	77	1	--	-	--	-
....TETRAEDRON	*	0	--	-	--	-	*	0	*	0
...SCENEDESMACEAE										
....CRUCIGENIA	310	1	260	2	--	-	--	-	--	-
....SCENEDESMUS	1200	2	300	3	230	4	610	3	990	1
....TETRASTRUM	--	-	--	-	51	1	--	-	--	-
..TETRASPORALES										
...COCCOMYXACEAE										
....ELAKATOTHRIX	--	-	66	1	--	-	--	-	--	-
..VOLVOCALES										
...CHLAMYDOMONADACEAE										
....CHLAMYDOMONAS	--	-	--	-	51	1	*	0	700	1
CHRYSOPHYTA										
.BACILLARIOPHYCEAE										
..CENTRALES										
...COSCINODISCACEAE										
....CYCLOTELLA	*	0	99	1	90	2	1800	10	*	0
....MELOSIRA	*	0	560	5	330	6	1400	8	570	1
..PENNALES										
...ACHNANTHACEAE										
....ACHNANTHES	--	-	--	-	--	-	*	0	--	-
...FRAGILARIACEAE										
....ASTERIONELLA	--	-	730	7	--	-	--	-	--	-
....FRAGILARIA	--	-	--	-	170	3	--	-	--	-
....SYNEDRA	*	0	--	-	--	-	--	-	--	-
...NAVICULACEAE										
....NAVICULA	--	-	*	0	--	-	--	-	--	-
...NITZSCHIACEAE										
....NITZSCHIA	*	0	66	1	77	1	410	2	1800	2
CYANOPHYTA (BLUE-GREEN ALGAE)										
.CYANOPHYCEAE										
..CHROOCOCCALES										
...CHROOCOCCACEAE										
....AGMENELLUM	3400	7	--	-	100	2	--	-	1100	1
....ANACYSTIS	1000	2	3500#	32	600	10	12000#	63	1400	1
..HORMOGONALES										
...NOSTOCACEAE										
....ANABAENA	700	1	--	-	--	-	--	-	29000#	26
....APHANIZOMENON	3100	6	--	-	--	-	--	-	--	-
...OSCILLATORIACEAE										
....LYNGBYA	38000#	77	--	-	820	14	1000	6	72000#	65
....OSCILLATORIA	--	-	2600#	24	2600#	43	680	4	1400	1
EUGLENOPHYTA (EUGLENOIDS)										
.EUGLENOPHYCEAE										
..EUGLENALES										
...EUGLENACEAE										
....EUGLENA	*	0	*	0	39	1	*	0	--	-
....TRACHELOMONAS	*	0	--	-	--	-	*	0	--	-

NOTE: # - DOMINANT ORGANISM: EQUAL TO OR GREATER THAN 15%
* - OBSERVED ORGANISM, MAY NOT HAVE BEEN COUNTED: LESS THAN 1/2%

07348010 TWELVEMILE BAYOU BELOW DIXIE, LA

LOCATION.--Lat 32°36'25", long 93°48'35", in NW¼SW¼ sec.28, T.19 N., R.14 W., Caddo Parish, Hydrologic Unit 11140304, at bridge on U.S. Highway 71, and 6.0 mi (9.7 km) southeast of Dixie.

DRAINAGE AREA.--Not determined.

PERIOD OF RECORD.--October 1979 to September 1980 (gage heights only). February 1962 to September 1979 (annual maximums). Unpublished daily gage heights, August 1978 to September 1979, in files of the Baton Rouge district office.

GAGE.--Water-stage recorder. Datum of gage is 134.00 ft (40.843 m) National Geodetic Vertical Datum of 1929. Prior to August 1978, nonrecording gage at same site at datum 134.00 ft (40.843 m) higher.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 36.54 ft (11.137), present datum, May 7, 1966; minimum, 0.47 ft (0.143 m) Sept. 25, 1980.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 21.19 ft (6.457 m) Feb. 11; minimum, 0.47 ft (0.143 m) Sept. 25.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	5.48	8.05	15.32	18.21	---	15.71	13.69	9.85	5.65	.70	---
2	---	5.21	7.75	15.07	16.93	---	15.12	14.17	9.96	5.27	.68	---
3	11.96	5.17	7.58	15.11	16.51	---	14.82	14.48	9.90	4.80	.64	---
4	11.93	5.10	7.43	15.10	15.73	---	14.18	14.61	10.48	4.44	.60	---
5	11.51	5.17	7.21	14.57	15.51	---	13.31	14.68	11.94	4.25	.59	---
6	11.27	5.44	6.92	13.77	15.39	---	12.68	14.54	12.00	4.03	.60	---
7	11.01	5.36	6.60	12.98	14.81	---	12.16	14.26	11.20	3.71	.87	---
8	10.80	5.50	6.05	12.15	15.34	---	12.14	13.75	10.71	3.42	1.37	---
9	10.27	6.63	5.66	11.64	19.62	---	11.42	13.28	12.08	3.18	1.65	---
10	9.67	8.21	5.45	11.13	21.10	---	10.72	12.82	12.51	3.08	1.52	2.78
11	9.14	7.52	5.20	10.77	20.84	---	10.33	12.41	11.59	3.03	1.23	2.55
12	8.29	7.15	5.26	9.71	20.50	7.73	11.70	12.17	10.72	2.99	.96	2.17
13	7.16	7.02	5.83	9.46	20.41	8.06	14.93	14.13	10.25	2.94	.83	1.91
14	6.28	6.73	6.04	9.17	20.43	7.58	18.39	13.78	9.73	2.89	---	1.89
15	5.89	6.70	6.21	8.83	20.23	7.33	17.93	13.04	8.86	2.85	---	1.67
16	5.40	6.67	6.43	8.75	19.98	7.46	17.26	18.21	7.97	2.79	---	1.27
17	5.15	6.67	6.68	8.68	19.38	8.33	16.96	20.18	7.59	2.75	---	1.07
18	4.99	6.71	7.09	8.55	18.71	9.08	17.24	19.95	7.26	---	---	.98
19	4.63	6.72	7.41	8.35	18.31	9.87	17.25	19.14	6.79	---	---	.73
20	4.33	6.55	7.53	8.42	17.83	11.02	17.06	18.11	---	---	---	.77
21	4.21	6.91	7.48	9.26	---	11.72	16.79	17.25	---	---	---	.95
22	4.63	9.85	7.77	13.68	---	11.68	16.52	17.22	---	---	---	.94
23	4.48	10.58	8.91	18.05	---	11.81	16.17	16.82	---	---	---	.72
24	4.03	9.98	11.17	18.44	---	13.27	15.71	15.71	---	---	---	.53
25	3.87	9.51	11.23	18.89	---	13.40	15.90	14.43	---	---	---	.48
26	3.69	9.09	11.18	19.50	---	13.20	17.67	13.20	8.95	---	---	.60
27	3.51	8.79	11.89	19.68	---	12.93	16.86	12.24	8.13	---	---	.85
28	3.56	8.64	12.83	19.81	---	13.62	15.66	11.49	7.30	---	---	1.10
29	3.56	8.61	14.13	19.73	---	15.02	14.54	10.97	6.61	---	---	1.48
30	3.33	8.14	15.13	19.56	---	17.41	13.77	10.60	6.05	---	---	1.73
31	5.13	---	15.48	19.13	---	16.63	---	10.16	---	---	---	---
MEAN	---	7.19	8.37	13.65	---	---	15.03	14.56	---	---	---	---
MAX	---	10.58	15.48	19.81	21.10	17.41	18.39	20.18	12.51	5.65	---	---
MIN	3.33	5.10	5.20	8.35	---	---	10.33	10.16	---	---	---	.48

07348500 RED RIVER AT SHREVEPORT, LA

LOCATION.--Lat 32°30'55", long 93°44'25", in SE¼SE¼ sec.30, T.18 N., R.13 W., Caddo Parish, Hydrologic Unit 11140202, on second pier from east bank, at Illinois Central Railroad Co. bridge at Shreveport, 0.5 mi (0.8 km) downstream from Cross Bayou.

DRAINAGE AREA.--60,613 mi² (156,988 km²), of which 5,936 mi² (15,374 km²) above Denison Dam is noncontributing.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--August 1928 to September 1979. Daily gage heights since May 1873 and discharge intermittently 1872 to 1905 in reports of Mississippi River Commission.

REVISED RECORDS.--WSP 1211: Drainage area.--WSP 1920: 1960(M).

GAGE.--Water-stage recorder. Datum of gage is 131.48 ft (40.075 m) National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to June 1, 1918, nonrecording gage at same site at datum 10 ft (3.05 m) higher.

REMARKS.--Regulation by Lake Texoma, Millwood Reservoir, and Texarkana Reservoir. See Red River near Hosston (station 07344400).

COOPERATION.--Gage-height record and computations of daily discharge furnished by Corps of Engineers.

AVERAGE DISCHARGE.--51 years (water years 1929-79), 24,390 ft³/s (690.7 m³/s), 17,670,600 acre-ft/yr (21.8 km³/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 303,000 ft³/s (8,580 m³/s) Apr. 5, 1945 (discharge measurement), maximum gage height, 37.9 ft (11.55 m) in gage well, 38.4 ft (11.70 m) from outside gage Apr. 7, 1945; minimum discharge, 690 ft³/s (19.5 m³/s) Oct. 30, 1956; minimum gage height, 0.24 ft (0.073 m) Nov. 9, 1939.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage, 45.9 ft (13.99 m), present datum, from water mark in August 1849 (affected by huge log raft).

EXTREMES FOR CURRENT YEAR.--Water year 1979: Maximum daily discharge, 99,000 ft³/s (2,800 m³/s) Apr. 4; minimum daily, 3,700 ft³/s (105 m³/s) Dec. 28.

RECORDS FOR THE 1980 WATER YEAR ARE NOT AVAILABLE IN TIME FOR INCLUSION IN THIS REPORT. THEY WILL BE PUBLISHED IN A SUBSEQUENT REPORT.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4100	7500	13000	8200	34000	66000	53000	35000	80000	18000	20000	6300
2	4600	8200	12000	10000	32000	65000	70000	32000	82000	16000	23000	6000
3	5300	6900	9800	12000	33000	65000	89000	31000	85000	14000	24000	5500
4	5800	4600	7100	17000	32000	69000	99000	42000	86000	13000	24000	5100
5	5700	4000	6900	24000	29000	76000	94000	50000	90000	12000	24000	4900
6	5300	3900	7000	29000	29000	64000	89000	55000	95000	11000	23000	4800
7	5600	3900	6900	35000	30000	74000	83000	56000	88000	9600	24000	4900
8	5100	3900	6500	35000	31000	72000	80000	56000	84000	8700	24000	5600
9	4700	4300	9500	35000	30000	68000	77000	54000	78000	8600	23000	5200
10	4900	4600	15000	35000	28000	64000	74000	49000	89000	9200	21000	5200
11	5300	4500	18000	32000	26000	59000	71000	46000	70000	9200	19000	4900
12	5500	4800	18000	31000	25000	55000	71000	43000	58000	9300	16000	4600
13	5800	5400	17000	30000	23000	51000	70000	39000	57000	9700	14000	4500
14	6500	6100	16000	24000	22000	48000	65000	36000	63000	9700	13000	4600
15	7300	6100	16000	25000	22000	44000	60000	36000	67000	9000	12000	4700
16	8000	6200	16000	23000	22000	39000	58000	38000	68000	8100	10000	4600
17	8100	5400	13000	19000	21000	34000	57000	39000	69000	8200	8900	4400
18	7500	4000	11000	16000	21000	29000	57000	38000	72000	8800	8200	4100
19	7200	16000	9000	15000	20000	24000	54000	37000	72000	8800	7900	4100
20	7100	28000	7700	25000	19000	22000	51000	37000	65000	9100	7300	4700
21	6400	30000	5900	36000	18000	21000	49000	36000	60000	9000	6600	5900
22	5800	30000	4800	40000	17000	22000	51000	35000	54000	8000	6300	7600
23	5900	28000	4600	39000	18000	26000	57000	30000	45000	6600	6100	8600
24	6300	26000	4500	40000	20000	30000	57000	26000	37000	6000	6100	8700
25	6900	23000	4300	40000	26000	39000	57000	43000	31000	6400	5900	8500
26	6500	20000	4000	44000	34000	47000	56000	72000	26000	7000	5500	8300
27	7300	16000	3800	46000	52000	50000	55000	79000	23000	7200	5300	9400
28	7500	14000	3700	44000	63000	51000	52000	75000	20000	8100	5000	11000
29	7600	13000	3900	40000	---	49000	45000	74000	19000	8900	4900	13000
30	7200	13000	4500	38000	---	46000	38000	76000	18000	11000	5100	13000
31	7200	---	5400	36000	---	51000	---	78000	---	17000	5800	---
TOTAL	193900	351300	284800	927200	777000	1519000	1939000	1473000	1851000	305200	408900	192100
MEAN	6255	11710	9187	29910	27750	49000	64630	47520	61700	9845	13190	6403
MAX	8100	30000	18000	46000	63000	76000	99000	79000	95000	18000	24000	13000
MIN	4100	3900	3700	8200	17000	21000	38000	26000	18000	6000	4900	4100
AC-FT	384600	696800	564900	1839000	1541000	3013000	3846000	2922000	3671000	605400	811100	381000

CAL YR 1978 TOTAL 4175200 MEAN 11440 MAX 73000 MIN 2800 AC-FT 8282000
WTR YR 1979 TOTAL 10222400 MEAN 28010 MAX 99000 MIN 3700 AC-FT 20280000

07348500 RED RIVER AT SHREVEPORT, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
INSTANTANEOUS OBSERVATIONS AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.90	2.19	8.41	6.07	14.48	18.18	17.59	15.05	20.15	10.65	10.94	5.60
2	3.06	2.06	8.00	6.47	14.12	17.93	19.51	14.57	20.31	10.18	11.77	5.49
3	2.78	2.33	7.26	7.55	14.26	17.89	21.72	14.08	20.66	9.47	12.40	5.16
4	2.60	3.06	6.33	9.33	14.22	18.32	22.52	15.90	20.71	8.95	12.26	4.86
5	2.65	3.61	6.26	11.58	13.75	19.34	22.25	17.47	21.20	8.39	11.74	4.71
6	2.75	3.80	6.28	12.77	13.37	19.61	21.92	18.18	21.54	8.00	11.55	4.64
7	2.68	3.81	6.28	14.43	13.87	19.30	21.34	19.20	21.21	7.65	11.58	4.68
8	2.83	3.68	6.13	14.67	14.06	19.02	21.00	18.95	20.97	7.17	11.75	4.78
9	3.57	3.26	7.20	14.60	13.87	19.60	20.77	18.34	20.98	7.13	11.56	4.90
10	2.92	3.06	9.00	14.41	13.26	18.17	20.47	17.52	21.49	7.41	11.25	4.96
11	2.77	3.09	10.10	13.91	12.86	17.60	20.13	16.86	20.42	7.38	10.46	4.77
12	2.70	2.95	10.27	13.65	12.23	17.00	20.12	16.43	19.24	7.43	9.50	4.49
13	2.62	2.72	9.03	13.43	11.66	16.49	20.02	15.60	18.92	7.60	8.81	4.37
14	2.62	2.53	9.60	13.10	11.24	16.07	19.59	14.83	19.61	7.69	8.40	4.48
15	2.26	2.52	9.76	12.08	11.33	15.54	18.94	14.70	20.03	7.38	8.09	4.52
16	2.16	2.64	9.50	11.90	11.23	14.74	18.64	15.23	20.12	6.95	7.60	4.51
17	2.08	2.70	8.50	11.28	10.83	13.84	18.53	15.46	20.15	6.91	6.88	4.38
18	2.20	3.40	7.41	10.00	10.91	12.97	18.49	15.36	20.29	7.21	6.55	4.11
19	2.26	9.07	6.43	9.57	10.76	11.91	18.10	15.16	20.38	7.24	6.46	4.00
20	2.28	12.71	6.44	12.01	10.51	11.45	17.72	15.05	20.05	7.32	6.17	4.48
21	2.43	13.26	5.41	14.00	10.24	11.33	17.34	14.96	19.48	7.37	5.78	5.16
22	2.41	13.21	5.11	15.57	9.98	11.17	17.28	14.66	18.76	7.03	5.57	6.16
23	2.50	12.77	5.00	15.65	9.89	12.37	18.56	13.69	17.40	6.26	5.47	6.73
24	2.67	12.27	4.91	15.62	10.43	13.38	18.93	12.41	15.87	5.87	5.50	6.84
25	2.31	11.70	4.81	15.63	11.89	15.27	19.23	14.44	14.63	6.02	5.36	6.72
26	2.60	10.40	4.61	16.16	12.77	16.75	19.17	19.27	13.40	6.30	5.16	6.60
27	2.26	9.28	4.60	16.40	16.04	17.37	18.75	20.16	12.45	6.39	4.96	6.94
28	2.10	8.58	4.26	16.30	17.51	17.47	18.05	19.83	11.49	6.81	4.80	7.78
29	2.21	8.19	4.51	15.84	---	17.31	17.03	19.47	11.02	7.15	4.70	8.40
30	2.25	8.62	4.96	15.17	---	16.72	15.76	19.71	10.62	7.75	4.75	8.64
31	2.26	---	5.40	14.88	---	17.66	---	19.89	---	9.98	5.18	---
MEAN	2.53	6.11	6.88	13.08	12.55	16.15	19.32	16.53	18.45	7.58	8.16	5.46
MAX	3.90	13.26	10.27	16.40	17.51	19.61	22.52	20.16	21.54	10.65	12.40	8.64
MIN	2.08	2.06	4.26	6.07	9.98	11.17	15.76	12.41	10.62	5.87	4.70	4.00

07348500 RED RIVER AT SHREVEPORT, LA--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1978-79.

PERIOD OF DAILY RECORD.--
SUSPENDED-SEDIMENT DISCHARGE: October 1977 to September 1979.

COOPERATION.--Samples for suspended-sediment analysis are collected by the Corps of Engineers and analyzed by the Geological Survey. Daily suspended-sediment discharge records are computed by the Geological Survey and reviewed by the Corps of Engineers.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SUSPENDED-SEDIMENT DISCHARGE: Maximum daily, 879,000 tons (797,000 tonnes) Apr. 4, 1979; minimum daily, 1,000 tons (908 tonnes) Oct. 1, 1977, Jan. 10, 12-16, July 13-18, 25, 27-30, Aug. 4, 5, 7-12, 20, 21, 24-29, 1978, Dec. 27, 28, 1978, Aug. 25-31, Sep. 3-20, 1979.

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	SUSPENDED SEDIMENT (MG/L)	SUSPENDED SEDIMENT DISCHARGE (T/DAY)	SUS. SED. SIEVE DIAM. % FINER THAN .062 MM
NOV					
22...	1400	30100	1208	98200	58
DEC					
06...	1400	7000	519	9810	54
20...	1400	7700	237	4930	46
JAN					
03...	1400	11600	528	16500	70
10...	1400	34600	974	91000	44
17...	1400	19300	591	30800	36
24...	1400	39700	1110	119000	54
31...	1400	36300	545	53400	55
FEB					
07...	1400	30300	342	28000	65
14...	1400	21900	432	25500	49
28...	1400	62700	4788	811000	44
MAR					
07...	1400	74000	3249	649000	36
21...	1400	21200	482	27600	75
APR					
04...	1400	98500	3305	879000	55
18...	1400	56900	961	148000	58
25...	1400	56700	970	148000	49
MAY					
09...	1400	54300	1331	195000	50
23...	1400	30000	596	48300	61
JUN					
06...	1400	94700	2329	596000	45
20...	1400	64700	3016	527000	32
JUL					
03...	1400	14300	510	19700	85
25...	1400	6400	172	2970	78
AUG					
08...	1400	23700	339	21700	75
22...	1400	6300	96	1630	93
SEP					
26...	1400	8300	172	3860	94

07348500 RED RIVER AT SHREVEPORT, LA--Continued

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY), WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2000	7000	7000	7000	46000	822000	233000	66000	392000	34000	21000	2000
2	3000	8000	8000	11000	39000	715000	417000	56000	418000	26000	26000	2000
3	4000	6000	7000	17000	40000	682000	692000	54000	456000	20000	27000	1000
4	5000	3000	5000	31000	36000	712000	879000	103000	473000	17000	26000	1000
5	5000	2000	7000	58000	28000	799000	754000	150000	526000	14000	25000	1000
6	4000	2000	10000	80000	27000	524000	644000	186000	595000	12000	22000	1000
7	4000	2000	9000	110000	28000	648000	533000	198000	534000	9000	23000	1000
8	4000	2000	7000	103000	32000	587000	472000	204000	509000	7000	22000	1000
9	3000	2000	15000	97000	33000	500000	417000	195000	459000	7000	20000	1000
10	3000	2000	35000	91000	31000	423000	366000	158000	626000	8000	17000	1000
11	4000	2000	48000	77000	28000	344000	321000	137000	405000	8000	14000	1000
12	4000	3000	45000	74000	28000	285000	306000	118000	291000	8000	10000	1000
13	5000	3000	37000	71000	26000	234000	284000	95000	294000	8000	8000	1000
14	6000	4000	31000	63000	26000	198000	233000	80000	376000	8000	7000	1000
15	7000	4000	29000	51000	28000	159000	189000	79000	445000	7000	6000	1000
16	8000	4000	27000	44000	31000	120000	168000	86000	480000	5000	4000	1000
17	9000	3000	17000	31000	31000	87000	155000	90000	517000	5000	3000	1000
18	7000	2000	11000	21000	34000	60000	147000	84000	590000	6000	3000	1000
19	7000	28000	7000	18000	34000	39000	132000	78000	617000	6000	3000	1000
20	7000	86000	5000	50000	34000	32000	118000	77000	526000	6000	2000	1000
21	5000	98000	3000	102000	33000	28000	109000	72000	441000	6000	2000	2000
22	4000	98000	2000	124000	33000	31000	118000	67000	351000	5000	2000	3000
23	4000	62000	2000	115000	41000	44000	148000	48000	240000	3000	2000	4000
24	5000	38000	2000	119000	55000	61000	148000	37000	159000	3000	2000	4000
25	6000	22000	2000	109000	103000	105000	148000	102000	110000	3000	1000	4000
26	5000	12000	2000	122000	194000	157000	147000	291000	76000	3000	1000	4000
27	7000	6000	1000	122000	500000	183000	146000	356000	59000	3000	1000	4000
28	7000	3000	1000	103000	810000	195000	134000	325000	44000	4000	1000	4000
29	7000	4000	2000	78000	---	184000	103000	321000	39000	5000	1000	5000
30	6000	5000	2000	65000	---	166000	75000	344000	34000	7000	1000	4000
31	6000	---	3000	53000	---	210000	---	367000	---	16000	1000	---

07348700 BAYOU DORCHEAT NEAR SPRINGHILL, LA

LOCATION.--Lat 32°59'40", long 93°23'47", in NE¼NE¼ sec.16, T.23 N., R.10 W., Webster Parish, Hydrologic Unit 11140203, near left bank on downstream side of bridge on State Highway 157, 0.4 mi (0.6 km) downstream from Crooked Creek, 1.7 mi (2.7 km) downstream from Arkansas-Louisiana State line, and 4.2 mi (6.8 km) southeast of intersection of State Highways 7 and 157 at Springhill.

DRAINAGE AREA.--605 mi² (157 km²).

PERIOD OF RECORD.--October 1957 to current year.

REVISED RECORDS.--WDR LA-75-1: 1974.

GAGE.--Water-stage recorder. Datum of gage is 173.91 ft (53.008 m) National Geodetic Vertical Datum of 1929.

REMARKS.--Records good above 200 ft³/s (5.66 m³/s) and poor below. Records of dissolved oxygen and water temperatures for the water year 1980 are published under miscellaneous water-quality sites in this report.

AVERAGE DISCHARGE.--23 years, 568 ft³/s (16.09 m³/s), 12.75 in/yr (324 mm/yr), 411,500 acre-ft/yr (507 hm³/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 36,400 ft³/s (1,030 m³/s) Apr. 28, 1958, gage height, 22.79 ft (6.946 m); no flow Oct. 10-14, 1957.

EXTREMES FOR CURRENT YEAR.--Peak discharge above base of 3,000 ft³/s (85 m³/s) and maximum (*):

Date	Time	Discharge (ft³/s)	Discharge (m³/s)	Gage height (ft)	Gage height (m)
Jan. 25	0430	7780	220	14.85	4.526
Feb. 13	0400	3800	108	13.56	4.133
Mar. 20	1245	3400	96.3	13.40	4.084
Mar. 24	unknown	4000	113	unknown	

Date	Time	Discharge (ft³/s)	Discharge (m³/s)	Gage height (ft)	Gage height (m)
Mar. 30	unknown	4400	125	unknown	
Apr. 16	0100	*8160	231	*14.96	4.560
May 19	1130	3500	99.1	13.44	4.097

Minimum daily discharge, 1.8 ft³/s (1.77 m³/s) Sept. 21-25.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	21	22	152	1270	1490	308	3380	610	789	54	4.7	2.4
2	17	19	242	1020	1300	308	2800	589	484	43	4.3	2.4
3	14	29	293	889	1160	315	2300	667	277	38	4.0	2.3
4	11	48	250	806	1080	348	1800	829	198	33	3.8	2.3
5	9.3	48	200	709	1020	376	1600	861	162	29	3.6	2.3
6	8.0	43	160	675	975	369	1400	767	139	24	3.5	2.2
7	7.6	37	130	699	905	353	1200	682	119	17	3.4	2.2
8	6.8	31	110	710	930	340	1050	609	128	14	3.3	2.2
9	6.4	73	100	677	1770	321	835	653	208	11	4.0	2.1
10	5.2	124	90	614	2340	308	645	604	134	8.7	4.4	2.1
11	5.4	102	85	538	3050	305	518	507	96	7.6	4.0	2.1
12	6.3	175	80	456	3570	312	756	432	75	6.8	3.8	2.0
13	6.8	286	200	386	3750	350	1030	592	65	6.1	3.6	2.0
14	6.6	386	300	342	3320	478	2380	756	95	5.5	3.4	2.0
15	7.7	408	350	326	2700	662	6870	861	137	5.0	3.2	2.0
16	7.5	320	200	326	2190	839	7830	1430	133	4.7	3.1	1.9
17	7.3	203	170	325	1790	1110	6320	2440	100	4.4	4.3	1.9
18	7.5	139	150	312	1480	1500	4530	3050	70	4.1	4.0	1.9
19	7.5	101	140	337	1230	2490	3160	3450	55	3.9	3.8	1.9
20	7.7	76	130	589	1030	3350	2430	3310	86	3.7	3.7	1.9
21	7.8	97	125	1030	896	3180	2050	2810	115	3.5	3.5	1.8
22	18	451	120	1970	769	2560	1830	3060	108	3.4	3.4	1.8
23	17	539	160	3580	654	3300	1590	2660	304	3.3	3.2	1.8
24	11	808	300	6280	567	4000	1290	2170	405	3.2	3.1	1.8
25	10	200	500	7540	497	3100	1070	2180	378	3.1	3.0	1.8
26	13	183	900	6160	438	2700	936	2300	265	4.0	2.9	5.6
27	20	167	1400	4390	390	2500	763	2610	189	5.9	2.8	4.4
28	20	158	1820	3120	352	2400	662	2390	139	10	2.7	3.6
29	18	153	2060	2420	318	3000	642	1880	100	8.0	2.7	3.2
30	16	149	1890	1990	---	4400	633	1440	73	5.9	2.6	3.0
31	43	---	1580	1710	---	4000	---	1070	---	5.0	2.5	---
TOTAL	370.4	5575	14387	52196	41961	49882	64300	48269	5626	378.8	108.3	70.9
MEAN	11.9	186	464	1684	1447	1609	2143	1557	188	12.2	3.49	2.36
MAX	43	808	2060	7540	3750	4400	7830	3450	789	54	4.7	5.6
MIN	5.2	19	80	312	318	305	518	432	55	3.1	2.5	1.8
AC-FT	735	11060	28540	103500	83230	98940	127500	95740	11160	751	215	141

CAL YR 1979 TOTAL 333573.2 MEAN 914 MAX 9460 MIN 5.1 AC-FT 661600
WTR YR 1980 TOTAL 283124.4 MEAN 774 MAX 7830 MIN 1.8 AC-FT 561600

07348700 BAYOU DORCHEAT NEAR SPRINGHILL, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.30	4.52	6.60	11.82	12.09	8.19	13.34	9.82	10.55	4.86	3.39	4.26
2	4.15	4.41	7.66	11.36	11.87	8.18	---	9.72	9.20	4.64	3.34	4.26
3	4.05	4.74	8.08	10.94	11.67	8.24	---	10.06	7.94	4.52	3.31	4.26
4	3.96	5.18	---	10.62	11.52	8.45	---	10.72	7.18	4.42	3.35	4.26
5	3.88	5.17	---	10.24	11.39	8.62	---	10.84	6.67	4.32	3.49	4.28
6	3.83	5.07	---	10.10	11.23	8.58	---	10.47	6.29	4.18	3.37	4.30
7	3.81	4.92	---	10.20	11.00	8.48	---	10.13	5.95	3.93	3.45	4.31
8	3.78	4.78	---	10.24	11.04	8.40	---	9.81	6.08	3.82	3.75	4.35
9	3.75	5.44	---	10.11	12.34	8.27	10.74	10.01	7.24	3.72	3.89	4.36
10	3.66	6.21	---	9.84	12.79	8.18	9.97	9.79	6.20	3.64	3.99	4.38
11	3.70	5.92	---	9.49	13.22	8.16	9.39	9.34	5.57	3.57	3.99	4.39
12	3.78	6.88	---	9.08	13.47	8.22	10.42	8.95	5.22	3.53	3.95	4.40
13	3.81	8.01	---	8.68	13.54	8.46	11.23	9.76	5.04	3.48	4.08	4.40
14	3.81	8.68	---	8.41	13.35	9.19	12.73	10.42	5.54	3.43	4.14	4.40
15	3.88	8.81	---	8.31	13.03	10.04	14.58	10.84	6.24	3.39	4.16	4.40
16	3.88	8.25	---	8.31	12.68	10.75	14.87	11.95	6.19	3.36	4.18	4.34
17	3.87	7.23	---	8.31	12.37	11.55	14.43	12.86	5.64	3.33	4.16	4.13
18	3.89	6.41	---	8.22	12.08	12.09	13.83	13.23	5.13	3.32	3.98	4.19
19	3.90	5.89	---	8.38	11.76	12.88	13.27	13.42	4.88	3.35	3.99	4.30
20	3.91	5.55	---	9.66	11.40	13.37	12.85	13.36	5.40	3.41	4.07	4.34
21	3.93	5.83	---	11.37	10.96	13.29	12.58	13.10	5.88	3.48	4.12	4.36
22	4.30	9.03	---	12.46	10.48	12.94	12.40	13.23	5.76	3.55	4.15	4.38
23	4.28	9.49	---	13.45	10.01	---	12.19	13.00	8.15	3.56	4.14	4.40
24	4.09	10.63	---	14.41	9.62	---	11.85	12.68	8.79	3.51	4.05	4.41
25	4.09	7.20	---	14.78	9.29	---	11.49	12.69	8.63	3.67	4.05	4.42
26	4.18	6.99	---	14.38	8.98	---	11.10	12.76	7.85	3.84	4.11	4.44
27	4.43	6.80	---	13.78	8.71	---	10.45	12.97	7.05	4.16	4.15	4.44
28	4.43	6.68	12.39	13.26	8.48	---	10.05	12.82	6.28	4.26	4.19	4.47
29	4.38	6.61	12.59	12.84	8.25	---	9.97	12.44	5.64	3.71	4.23	4.58
30	4.32	6.56	12.46	12.53	---	---	9.92	12.03	5.18	3.52	4.24	4.57
31	5.02	---	12.18	12.30	---	---	---	11.47	---	3.43	4.26	---
MEAN	4.03	6.60	---	10.90	11.33	---	---	11.44	6.58	3.77	3.93	4.36
MAX	5.02	10.63	12.59	14.78	13.54	---	14.87	13.42	10.55	4.86	4.26	4.58
MIN	3.66	4.41	---	8.22	8.25	8.16	9.39	8.95	4.88	3.32	3.31	4.13

07349000 BAYOU DORCHEAT NEAR MINDEN, LA

LOCATION.--Lat 32°35'55", long 93°19'59", in NW¼ sec.31, T.19 N., R.9 W., Webster Parish, Hydrologic Unit 11140203, on left bank 500 ft (152 m) upstream from bridge on U.S. Highway 80, 0.7 mi (1.1 km) upstream from Louisiana and Arkansas Railway Co. bridge, 3.0 mi (4.8 km) west of Minden, and 28 mi (45 km) upstream from Lake Bistineau dam.

DRAINAGE AREA.--1,097 mi^2 (2,841 km^2).

PERIOD OF RECORD.--July 1928 to September 1931, October 1936 to September 1979. October 1979 to current year (annual maximum and gage heights only). Monthly discharge only for some periods, published in WSP 1311.

REVISED RECORDS.--WSP 1211: Drainage area. WSP 1241: 1941.

GAGE.--Water-stage recorder. Datum of gage is 133.75 ft (40.767 m) National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to Mar. 1, 1940, nonrecording gage at same site and datum.

REMARKS.--Gage heights affected by Lake Bistineau.

AVERAGE DISCHARGE.--46 years (water years 1929-31, 1937-79), 1,111 ft^3/s (31.46 m^3/s), 13.75 in/yr (349 mm/yr), 804,900 acre-ft/yr (992 hm^3/s yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 44,800 ft^3/s (1,270 m^3/s) May 1, 1958, gage height, 24.90 ft (7.590 m); no flow at times in 1954, 1956, 1964, 1969, 1972, 1979.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 7,390 ft^3/s (209 m^3/s) Apr. 19, gage height, 16.58 ft (15.054 m); minimum gage height, 1.66 ft (0.506 m) Sept. 30.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
INSTANTANEOUS OBSERVATIONS AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.31	7.23	8.65	9.93	14.27	8.17	15.60	11.08	11.74	7.60	6.98	6.36
2	7.28	7.22	8.77	10.05	13.56	8.12	15.40	10.57	11.33	7.52	6.95	6.33
3	7.29	7.22	8.87	10.16	12.92	8.10	15.25	9.92	10.71	7.48	6.93	6.06
4	7.28	7.21	8.88	10.12	12.31	8.09	15.00	9.34	9.84	7.41	6.91	5.75
5	7.25	7.22	8.76	9.93	11.73	8.05	14.65	9.13	8.85	7.38	6.88	5.44
6	7.25	7.19	8.46	9.62	11.19	8.02	14.22	9.15	8.18	7.35	6.86	5.16
7	7.22	7.18	8.04	9.31	10.66	8.04	13.70	9.28	7.89	7.32	6.83	4.90
8	7.22	7.20	7.77	9.01	10.24	8.10	13.15	9.39	7.74	7.27	6.81	4.65
9	7.20	7.20	7.67	8.77	10.72	8.05	12.53	9.28	7.62	7.27	6.79	4.45
10	7.18	7.17	7.61	8.62	11.26	8.03	11.86	9.01	---	7.25	6.77	4.25
11	7.17	7.18	7.58	8.56	11.83	7.97	11.09	10.69	---	7.24	6.75	4.04
12	7.16	7.19	7.54	8.42	12.44	8.12	10.55	10.43	---	7.22	6.74	3.83
13	7.08	7.22	7.68	8.34	13.36	8.31	10.64	8.66	---	7.18	6.72	3.65
14	7.09	7.23	7.65	8.23	14.20	8.29	11.54	8.61	---	7.16	6.70	3.49
15	7.10	7.25	7.68	8.12	14.48	8.26	12.10	8.58	---	7.13	6.67	3.30
16	7.09	7.30	7.75	8.04	14.42	8.31	12.59	9.37	---	7.12	6.65	3.16
17	7.09	7.37	7.77	8.02	14.22	8.46	13.09	10.27	---	7.08	6.63	2.98
18	7.09	7.45	7.86	8.00	13.87	8.58	14.72	11.09	---	7.07	6.60	2.84
19	7.08	7.46	7.92	7.95	13.41	8.75	16.40	11.64	---	7.03	6.59	2.70
20	7.09	7.43	7.97	7.91	12.89	9.17	16.53	12.06	---	7.01	6.56	2.62
21	7.08	7.44	8.04	7.96	12.31	10.05	15.99	12.50	---	6.99	6.54	2.53
22	7.14	8.13	8.15	8.50	11.66	10.40	15.22	13.00	---	6.97	6.51	2.41
23	7.15	8.06	8.20	10.12	10.95	10.93	14.46	13.38	---	6.96	6.49	2.30
24	7.15	8.14	8.62	11.04	10.22	11.64	13.70	13.55	---	6.90	6.46	2.20
25	7.15	8.31	8.76	12.05	9.58	12.20	13.01	13.64	8.72	6.90	6.45	2.11
26	7.13	8.48	9.06	13.59	9.04	12.46	12.68	13.76	8.93	6.89	6.42	1.97
27	7.14	8.57	9.35	15.59	8.68	12.48	12.12	13.66	8.80	6.88	6.41	1.85
28	7.14	8.55	9.59	16.48	8.44	12.53	11.79	13.32	8.33	7.02	6.39	1.82
29	7.12	8.55	9.72	16.41	8.24	12.54	11.61	12.86	7.97	7.01	6.40	1.77
30	7.10	8.56	9.78	15.81	---	13.73	11.39	12.40	7.73	7.01	6.40	1.70
31	7.28	---	9.83	15.02	---	15.19	---	12.05	---	7.00	6.38	---
MEAN	7.16	7.60	8.39	10.31	11.83	9.65	13.42	11.02	---	7.15	6.65	3.55
MAX	7.31	8.57	9.83	16.48	14.48	15.19	16.53	13.76	11.74	7.60	6.98	6.36
MIN	7.08	7.17	7.54	7.91	8.24	7.97	10.55	8.58	---	6.88	6.38	1.70

07349250 LAKE BISTINEAU NEAR RINGGOLD, LA

LOCATION.--Lat 32°19'46", long 93°26'10", in sec.31, T.16 N., R.10 W., Bossier Parish, Hydrologic Unit 11140203, 40 ft (12 m) upstream from spillway near right bank on upstream side of bridge on State Highway 154, 9.0 mi (14.5 km) west of Ringgold and 17.0 mi (27.4 km) upstream from mouth.

DRAINAGE AREA.--1,443 mi² (3,737 km²).

PERIOD OF RECORD.--October 1968 to current year (gage heights only).

REVISED RECORDS.--WRD LA-1971: Drainage area.

GAGE.--Water-stage recorder and concrete control. Datum of gage is 130.00 ft (39.624 m) National Geodetic Vertical Datum of 1929 (levels by Louisiana Department of Transportation and Development, Office of Public Works).

REMARKS.--Reservoir is formed by an earthfill dam containing a 1,200-ft (370-m) concrete spillway equipped with twelve adjustable gates and a fish ladder. Each gate is 6.0 ft (1.83 m) wide and 5.0 ft (1.52 m) high and fits into a notch along the spillway crest. The 1.75-ft (0.533-m) thick spillway crest is flat and has an invert of 11 ft (3.4 m) gage height with invert of the notches at 6 ft (1.8 m) gage height. The fish ladder is 4 ft (1.2 m) wide and begins flowing at 4.1 ft (1.25 m) gage height. Capacity at spillway crest is 120,000 acre-ft (148 hm³). Dam was completed in 1935 and enlarged in 1951. Reservoir is used for flood control and conservation. Seven gates were open Sept. 2-30.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 14.56 ft (4.438 m) Feb. 8, 1975; minimum, 3.72 ft (1.134 m) Nov. 29, 1975.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 12.55 ft (3.825 m) Apr. 2; minimum, 5.37 ft (1.637 m) Sept. 30.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
INSTANTANEOUS OBSERVATIONS AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11.02	10.96	11.37	11.57	12.37	11.54	12.52	11.91	11.93	11.29	10.72	10.11
2	11.03	10.95	11.43	11.59	12.25	11.49	12.53	11.89	11.90	11.24	10.69	10.11
3	11.00	10.94	11.40	11.64	12.16	11.38	12.52	11.84	11.88	11.20	10.66	9.72
4	10.98	10.93	11.41	11.64	12.09	11.38	12.48	11.76	11.81	11.17	10.65	9.43
5	10.95	10.91	11.40	11.63	12.02	11.44	12.37	11.69	11.70	11.13	10.64	9.14
6	10.92	10.94	11.46	11.59	11.94	11.38	12.30	11.62	11.59	11.11	10.63	8.85
7	10.93	10.93	11.38	11.63	11.86	11.36	12.25	11.59	11.49	11.09	10.60	8.57
8	10.90	10.93	11.37	11.57	11.82	11.36	12.19	11.57	11.41	11.06	10.59	8.33
9	10.90	10.93	11.30	11.57	12.02	11.38	12.10	11.57	11.37	11.04	10.58	8.15
10	10.91	11.01	11.25	11.50	12.09	11.36	12.02	11.54	11.29	11.02	10.54	7.94
11	10.86	10.98	11.22	11.46	12.06	11.41	11.92	11.50	11.25	10.99	10.53	7.74
12	10.85	10.95	11.20	11.47	12.05	11.40	12.12	11.51	11.25	10.97	10.50	7.54
13	10.90	10.94	11.35	11.43	12.04	11.50	12.28	11.52	11.25	10.94	10.48	7.35
14	10.85	10.94	11.33	11.40	12.07	11.46	12.41	11.49	11.23	10.92	10.46	7.16
15	10.82	10.95	11.27	11.37	12.11	11.45	12.37	11.51	11.19	10.90	10.44	7.01
16	10.80	10.96	11.25	11.36	12.20	11.48	12.28	11.78	11.18	10.88	10.41	6.85
17	10.80	10.97	11.29	11.38	12.21	11.50	12.19	11.95	11.17	10.87	10.39	6.71
18	10.79	11.02	11.23	11.35	12.17	11.51	12.19	12.03	11.14	10.85	10.37	6.56
19	10.78	11.05	11.23	11.35	12.13	11.49	12.26	12.07	11.11	10.82	10.34	6.46
20	10.77	11.07	11.25	11.35	12.13	11.55	12.41	12.06	11.23	10.79	10.32	6.31
21	10.77	11.07	11.27	11.34	12.06	11.86	12.51	12.02	11.25	10.76	10.31	6.23
22	10.88	11.62	11.28	11.57	12.00	11.86	12.51	12.17	11.21	10.75	10.30	6.12
23	10.89	11.57	11.31	11.71	11.93	11.86	12.43	12.22	11.22	10.74	10.28	6.03
24	10.86	11.52	11.45	11.78	11.85	11.83	12.33	12.23	11.24	10.73	10.25	5.94
25	10.85	11.45	11.49	11.86	11.75	11.88	12.23	12.21	11.31	10.68	10.21	5.85
26	10.85	11.43	11.51	11.94	11.66	11.91	12.36	12.19	11.37	10.66	10.20	5.81
27	10.83	11.40	11.52	12.04	11.56	11.94	12.28	12.17	11.42	10.62	10.18	5.71
28	10.82	11.43	11.55	12.20	11.51	12.03	12.14	12.15	11.41	10.80	10.18	5.59
29	10.84	11.40	11.56	12.43	11.49	12.07	12.03	12.10	11.37	10.77	10.17	5.53
30	10.80	11.37	11.56	12.48	---	12.44	11.96	12.07	11.34	10.75	10.16	5.46
31	10.93	---	11.56	12.50	---	12.50	---	12.00	---	10.75	10.14	---
MEAN	10.87	11.12	11.37	11.67	11.99	11.65	12.28	11.87	11.38	10.91	10.42	7.28
MAX	11.03	11.62	11.56	12.50	12.37	12.50	12.53	12.23	11.93	11.29	10.72	10.11
MIN	10.77	10.91	11.20	11.34	11.49	11.36	11.92	11.49	11.11	10.62	10.14	5.46

07349374 FLAT RIVER NEAR CURTIS, LA

LOCATION.--Lat 32°26'20", long 93°37'37", in NW¼NW¼ sec.29, T.17 N., R.12 W., Bossier Parish, Hydrologic Unit 11140204, near left bank on downstream side of bridge on State Highway 612, 1.0 mi (1.6 km) east of Curtis.

DRAINAGE AREA.-- Indeterminate (see REMARKS).

PERIOD OF RECORD.--March to September 1980.

GAGE.--Water-stage recorder. Altitude of gage is 155 ft (47.2 m), from topographic map.

REMARKS.--Records good. Interconnecting system of drainage ditches above station produces an interchange of flow which makes the drainage area indeterminable. Bodcau-Red Chute Bayou and Flat River basins are connected by canal upstream. Some regulation by several upstream lakes and reservoirs, combined capacity about 388,000 acre-ft (478 hm^3). Records of dissolved oxygen and water temperatures for the period March to September 1980 are published under miscellaneous water-quality sites in this report.

EXTREMES FOR CURRENT PERIOD.--Maximum discharge during period March to September, 1,220 ft^3/s (34.6 m^3/s) Apr. 14, gage height, 17.39 ft (5.300 m); minimum daily discharge, 3.1 ft^3/s (0.09 m^3/s) Sept. 8.

DISCHARGE, IN CUBIC FEET PER SECOND, MARCH TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1						73	247	52	29	21	7.4	11
2						68	101	56	27	20	7.2	7.0
3						37	64	43	26	19	7.2	5.6
4						30	49	34	26	19	7.2	4.9
5						27	40	31	25	18	7.0	4.1
6						25	36	29	25	17	7.5	3.4
7						26	33	28	25	17	7.5	3.3
8						27	31	27	25	16	7.5	3.1
9						24	28	26	38	15	7.6	3.2
10						23	26	25	31	12	7.5	3.3
11						23	30	25	27	8.5	7.6	3.5
12						79	302	25	25	8.2	7.7	3.7
13						90	1050	56	24	7.9	7.3	3.9
14						52	1170	55	24	7.9	6.9	4.2
15						36	961	59	24	7.4	6.2	4.5
16						40	666	616	24	6.8	5.7	4.5
17						40	317	830	24	6.6	5.6	5.0
18						32	131	541	24	6.3	5.3	5.0
19						31	83	255	24	5.8	4.8	5.3
20						78	64	110	72	5.6	4.1	7.3
21						72	53	68	71	5.3	4.2	7.5
22						46	46	509	37	5.5	4.1	7.0
23						37	41	448	58	5.8	3.7	6.6
24						88	37	208	43	5.9	3.7	6.4
25						49	56	103	33	6.0	3.8	6.1
26						35	119	66	27	6.4	4.0	6.0
27						40	87	50	24	8.4	4.3	6.1
28						148	64	42	23	27	5.3	6.5
29						376	46	37	22	15	6.7	7.0
30						713	30	33	21	9.0	43	8.0
31						508	---	30	---	7.7	32	---
TOTAL						2973	6016	4517	928	347.0	249.6	163.0
MEAN						95.9	201	146	30.9	11.2	8.05	5.43
MAX						713	1170	830	72	27	43	11
MIN						23	26	25	21	5.3	3.7	3.1
AC-FT						5900	11930	8960	1840	688	495	323

07349374 FLAT RIVER NEAR CURTIS, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), MARCH TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1						6.72	9.38	6.17	5.31	5.06	4.99	5.29
2						6.76	7.52	6.35	5.24	5.06	4.98	5.09
3						5.84	6.69	5.88	5.20	5.05	4.99	4.99
4						5.56	6.24	5.53	5.17	5.05	4.98	4.95
5						5.46	5.94	5.40	5.15	5.04	4.98	4.90
6						5.37	5.76	5.33	5.13	5.04	5.02	4.86
7						5.38	5.66	5.27	5.12	5.04	5.02	4.85
8						5.44	5.59	5.23	5.14	5.05	5.03	4.95
9						5.32	5.48	5.20	5.69	5.04	5.03	4.86
10						5.25	5.37	5.16	5.42	4.88	5.04	4.87
11						5.25	5.53	5.14	5.23	4.73	5.04	4.88
12						6.89	9.75	5.16	5.13	4.73	5.04	4.89
13						7.29	16.03	6.34	5.11	4.74	5.03	4.91
14						6.32	16.99	6.33	5.09	4.77	5.00	4.92
15						5.78	15.39	6.36	5.09	4.76	4.97	4.92
16						5.91	13.04	12.62	5.08	4.76	4.93	4.92
17						5.91	10.04	14.38	5.07	4.77	4.93	4.94
18						5.61	8.00	12.00	5.07	4.78	4.91	4.94
19						5.56	7.10	9.46	5.11	4.78	4.88	4.96
20						6.94	6.59	7.63	6.56	4.80	4.85	5.08
21						6.87	6.25	6.71	6.86	4.81	4.85	5.09
22						6.13	6.00	11.64	5.68	4.82	4.85	5.05
23						5.80	5.81	11.22	6.41	4.85	4.83	5.01
24						7.24	5.68	8.97	5.91	4.86	4.83	4.99
25						6.24	6.20	7.51	5.52	4.87	4.83	4.97
26						5.72	7.81	6.65	5.24	4.90	4.86	4.96
27						5.87	7.20	6.17	5.11	5.01	4.88	4.95
28						8.29	6.59	5.86	5.09	5.79	4.96	4.98
29						10.31	6.02	5.66	5.08	5.36	5.05	---
30						13.44	5.72	5.50	5.07	5.08	6.16	---
31						11.73	---	5.39	---	5.01	5.95	---
MEAN						6.65	7.85	7.17	5.37	4.94	5.02	---
MAX						13.44	16.99	14.38	6.86	5.79	6.16	5.29
MIN						5.25	5.37	5.14	5.07	4.73	4.83	4.85

07349500 BODCAU BAYOU NEAR SAREPTA, LA

LOCATION.--Lat 32°54'18", long 93°28'58", in NE¼ sec.15, T.22 N., R.11 W., Bossier-Webster Parish line, Hydrologic Unit 11140205, on left bank on downstream side of bridge on State Highway 2, 2.1 mi (3.4 km) northwest of Sarepta, and 9.5 mi (15.3 km) upstream from Caney Creek.

DRAINAGE AREA.--546 mi² (1,410 km²).

PERIOD OF RECORD.--October 1938 to current year.

REVISED RECORDS.--WSP 1211: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 173.91 ft (53.008 m) National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers).

REMARKS.--Records good. Water used by paper mill at Springhill is pumped from wells and discharged later as waste into bayou approximately 8 mi (13 km) above station. This discharge is not continuous but is stored in a reservoir and is released whenever the flow of bayou is sufficient to dilute effluent from mill. Some diversion and regulation by Lake Erling (usable capacity, 79,000 acre-ft or 97.4 hm³) 15 mi (24 km) upstream. Records of dissolved oxygen and water temperatures for the water year 1980 are published under miscellaneous water-quality sites in this report.

AVERAGE DISCHARGE.--42 years, 579 ft³/s (16.40 m³/s), 419,500 acre-ft/yr (517 hm³/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 18,600 ft³/s (527 m³/s) May 2, 1958, gage height, 25.14 ft (8.230 m); minimum, 0.1 ft³/s (0.003 m³/s) at times in 1939, 1943, 1952, and 1954; minimum gage height, 1.43 ft (0.436 m) Aug. 14-19, 1954.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of May 22, 23, 1930, exceeded 25 ft (7.6 m) and flood in 1905 may have reached a stage of 27 ft (8.2 m) from information by local residents.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 3,000 ft³/s (85 m³/s) and maximum (*):

Date	Time	Discharge (ft³/s)	Discharge (m³/s)	Gage height (ft)	Gage height (m)	Date	Time	Discharge (ft³/s)	Discharge (m³/s)	Gage height (ft)	Gage height (m)
Jan. 24	2130	3080	87.2	16.29	4.965	Apr. 1	0800	*3420	96.7	*16.64	5,072

Minimum discharge, 4.7 ft³/s (0.13 m³/s) Sept. 11, gage height, 1.96 ft (0.597 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	64	107	549	606	1900	692	3350	725	1720	246	33	32
2	63	103	565	604	1790	679	3120	648	1470	237	31	30
3	62	93	566	619	1640	664	2740	623	1270	229	29	28
4	60	87	559	652	1490	650	2320	630	1090	220	28	23
5	58	82	549	706	1350	634	1960	645	919	212	26	13
6	60	78	536	736	1230	609	1660	641	732	204	25	24
7	60	75	522	731	1120	514	1440	622	569	197	23	30
8	56	72	507	693	1110	370	1300	585	498	181	23	21
9	54	121	494	646	1530	292	1150	558	580	112	27	12
10	52	183	480	608	2040	268	1030	558	553	65	34	7.6
11	50	204	468	586	2300	259	912	561	483	54	35	5.1
12	49	155	470	562	2310	271	842	563	408	50	35	6.5
13	48	116	470	579	2160	271	1020	618	352	48	34	9.2
14	58	100	393	639	1970	275	1420	700	323	45	32	9.4
15	67	99	365	680	1780	296	2090	609	309	44	31	8.6
16	68	154	347	695	1660	317	2390	1300	301	42	29	8.1
17	67	207	318	697	1590	340	2420	1560	296	40	31	7.7
18	69	222	289	687	1540	385	2290	1950	290	38	43	6.1
19	72	226	272	675	1450	461	2190	2050	292	48	47	6.2
20	70	226	264	800	1350	567	2170	2040	342	65	47	10
21	67	294	256	1000	1250	673	2130	1960	385	66	45	11
22	76	501	293	1540	1160	795	2010	1990	407	64	43	11
23	79	630	415	2410	1060	940	1820	2610	552	62	41	10
24	80	701	638	3050	968	1130	1620	2920	592	46	39	9.5
25	75	712	702	3020	881	1430	1510	2930	536	20	37	9.3
26	70	673	758	2770	808	1820	1420	2600	422	11	36	8.9
27	66	589	784	2480	759	1980	1290	2420	334	23	34	8.6
28	65	499	760	2260	726	2030	1140	2340	291	39	33	9.0
29	64	469	695	2130	700	2110	988	2290	269	42	33	16
30	65	510	636	2050	---	2590	840	2160	255	37	34	24
31	102	---	612	1980	---	3240	---	1950	---	34	34	---
TOTAL	2016	8288	15532	37891	41622	27552	52582	44556	16840	2821	1052	414.8
MEAN	65.0	276	501	1222	1435	889	1753	1437	561	91.0	33.9	13.8
MAX	102	712	784	3050	2310	3240	3350	2930	1720	246	47	32
MIN	48	72	256	562	700	259	840	558	255	11	23	5.1
AC-FT	4000	16440	30810	75160	82560	54650	104300	88380	33400	5600	2090	823

YR 1979 TOTAL 312315.0 MEAN 856 MAX 4460 MIN 48 AC-FT 619500
R 1980 TOTAL 251166.8 MEAN 686 MAX 3350 MIN 5.1 AC-FT 498200

07349500 BODCAU BAYOU NEAR SAREPTA, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.70	4.47	8.55	8.95	14.62	9.52	16.62	9.74	14.25	6.01	2.84	2.84
2	3.67	4.41	8.66	8.93	14.41	9.43	16.44	9.23	13.65	5.92	2.80	2.78
3	3.64	4.25	8.67	9.03	14.05	9.33	15.99	9.06	12.89	5.83	2.75	2.74
4	3.62	4.10	8.61	9.26	13.58	9.24	15.44	9.11	11.98	5.73	2.72	2.59
5	3.57	4.09	8.55	9.61	13.05	9.14	14.85	9.21	10.93	5.62	2.68	2.30
6	3.61	4.00	8.45	9.82	12.52	8.96	14.23	9.18	9.79	5.53	2.65	2.64
7	3.61	3.95	8.35	9.78	11.99	8.28	13.56	9.05	8.68	5.46	2.60	2.81
8	3.54	3.90	8.24	9.53	11.95	7.17	12.84	8.80	8.17	5.25	2.58	2.55
9	3.50	4.67	8.15	9.22	13.47	6.48	12.15	8.61	8.76	4.29	2.69	2.27
10	3.46	5.54	8.04	8.96	14.69	6.24	11.54	8.61	8.57	3.53	2.88	2.09
11	3.42	5.77	7.95	8.80	15.28	6.15	10.90	8.63	8.06	3.32	2.90	1.98
12	3.41	5.19	7.97	8.64	15.30	6.27	10.48	8.65	7.49	3.25	2.90	2.04
13	3.38	4.63	7.96	8.76	15.08	6.28	11.48	9.03	7.03	3.19	2.87	2.16
14	3.58	4.38	7.37	9.17	14.75	6.31	13.02	9.58	6.77	3.14	2.83	2.17
15	3.77	4.36	7.14	9.44	14.39	6.52	14.72	10.27	6.64	3.10	2.79	2.15
16	3.78	5.17	6.99	9.54	14.11	6.71	15.42	12.55	6.56	3.05	2.75	2.13
17	3.76	5.80	6.72	9.56	13.92	6.93	15.45	13.58	6.51	3.01	2.60	2.11
18	3.80	5.96	6.45	9.49	13.75	7.30	15.27	14.60	6.46	2.97	3.09	2.04
19	3.86	6.00	6.28	9.41	13.46	7.90	15.12	14.90	6.48	3.18	3.18	2.04
20	3.83	6.00	6.20	10.21	13.07	8.67	15.08	14.88	6.93	3.53	3.18	2.20
21	3.79	6.59	6.12	11.40	12.64	9.40	15.03	14.73	7.30	3.56	3.15	2.23
22	3.93	8.19	6.48	13.22	12.19	10.19	14.83	14.79	7.48	3.52	3.09	2.22
23	3.99	9.10	7.52	15.14	11.71	11.05	14.47	15.52	8.56	3.47	3.05	2.20
24	4.01	9.59	9.16	16.14	11.21	12.03	14.01	16.09	8.84	3.14	3.01	2.18
25	3.92	9.66	9.59	16.22	10.72	13.07	13.65	16.10	8.45	2.47	2.97	2.17
26	3.84	9.40	9.96	15.91	10.28	14.31	13.34	15.78	7.59	2.18	2.93	2.17
27	3.79	8.83	10.12	15.53	9.96	14.77	12.80	15.45	6.87	2.58	2.89	2.16
28	3.76	8.18	9.97	15.23	9.75	14.67	12.12	15.33	6.47	2.99	2.87	2.17
29	3.74	7.96	9.54	15.03	9.58	14.99	11.32	15.27	6.25	3.06	2.87	2.40
30	3.76	8.26	9.15	14.90	---	15.54	10.47	15.08	6.11	2.94	2.89	2.66
31	4.40	---	8.99	14.78	---	16.31	---	14.72	---	2.88	2.88	---
MEAN	3.72	6.08	8.13	11.28	12.95	9.66	13.75	12.13	8.35	3.80	2.87	2.31
MAX	4.40	9.66	10.12	16.22	15.30	16.31	16.62	16.10	14.25	6.01	3.18	2.84
MIN	3.38	3.90	6.12	8.64	9.58	6.15	10.47	8.61	6.11	2.18	2.58	1.98

07349795 CYPRESS BAYOU ABOVE BENTON, LA

LOCATION.--Lat 32°47'15", long 93°42'27", in NW¼ sec.28, T.20 N., R.12 W., Bossier Parish, Hydrologic Unit 11140204, near center of span on downstream side of bridge on State Highway 160, 0.7 mi (1.1 km) southeast of Swindleville, 1.0 mi (1.6 km) northeast of Alden Bridge, and 6 mi (10 km) north of Benton.

DRAINAGE AREA.--88.9 mi^2 (230.3 km^2).

PERIOD OF RECORD.--October 1974 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 180 ft (55 m), from topographic map.

REMARKS.--Records good. Since October 1961, flow regulated by 3 flood-control reservoirs above station (combined capacity of reservoirs, 1,784 acre-ft or 2.20 hm^3). Records of dissolved oxygen and water temperatures for the water year 1980 are published under miscellaneous water-quality sites in this report.

AVERAGE DISCHARGE.--6 years, 91.9 ft^3/s (2.603 m^3/s), 63,900 acre-ft/yr (78.8 hm^3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 3,970 ft^3/s (112 m^3/s) Feb. 3, 1975, gage height, 11.99 ft (3.655 m); minimum, no flow at times each year.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 900 ft^3/s (25 m^3/s) and maximum (*):

Date	Time	Discharge (ft^3/s)	Discharge (m^3/s)	Gage height (ft)	Gage height (m)	Date	Time	Discharge (ft^3/s)	Discharge (m^3/s)	gage height (ft)	gage height (m)
Jan. 23	2100	*1310	37.1	*10.13	3.088	Feb. 10	1015	1090	30.9	9.88	3.011

Minimum discharge, no flow on many days.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.35	.10	67	100	142	58	350	69	21	.54	.00	.00
2	.35	.30	66	200	114	81	300	72	17	.38	.00	.00
3	.33	1.0	66	250	98	71	200	78	13	.33	.00	.00
4	.32	2.0	62	200	98	58	150	63	11	.29	.00	.00
5	.31	3.0	58	110	86	56	120	50	8.7	.26	.00	.00
6	.30	25	56	80	107	53	90	40	7.4	.22	.00	.00
7	.28	20	58	70	111	46	70	33	6.0	.19	.00	.00
8	.25	18	57	61	139	45	58	29	4.7	.16	.00	.00
9	.24	68	54	53	680	45	45	28	5.0	.12	.00	.00
10	.21	211	50	47	1060	40	40	25	8.5	.08	.00	.00
11	.17	230	46	48	835	38	100	22	9.2	.05	.00	.00
12	.13	104	50	56	553	49	200	27	6.3	.02	.00	.00
13	.10	61	117	49	380	76	500	176	4.7	.00	.00	.00
14	.07	67	226	41	273	64	700	245	3.4	.00	.00	.00
15	.04	41	185	39	196	44	650	151	2.2	.00	.00	.00
16	.03	38	113	41	156	36	500	350	1.5	.00	.00	.00
17	.02	36	91	56	126	50	311	519	.99	.00	.00	.00
18	.01	35	80	70	102	60	191	439	.76	.00	.00	.00
19	.00	34	73	59	93	48	137	273	.61	.00	.00	.00
20	.00	33	71	62	90	60	101	121	.86	.00	.00	.00
21	.00	51	78	187	87	79	82	82	.97	.00	.00	.00
22	.01	264	86	562	79	66	78	99	8.0	.00	.00	.00
23	.02	472	219	1200	71	48	59	137	11	.00	.00	.00
24	.01	486	350	1110	64	109	51	134	26	.00	.00	.00
25	.00	411	500	667	58	159	149	85	13	.00	.00	.00
26	.00	250	400	444	52	103	508	64	6.5	.00	.00	.00
27	.00	123	250	317	46	73	479	52	3.8	.00	.00	.00
28	.00	94	150	223	45	127	320	41	2.1	.00	.00	.00
29	.00	82	100	160	47	224	140	34	1.3	.00	.00	.00
30	.01	73	130	147	---	421	80	29	.82	.00	.00	.00
31	.02	---	150	148	---	438	---	25	---	.00	.00	---
TOTAL	3.58	3293.40	4051	6857	5984	2923	6763	3584	204.31	2.64	.00	.00
MEAN	.12	110	131	221	206	94.3	225	116	6.81	.085	.000	.000
MAX	.35	486	500	1200	1060	438	700	519	24	.54	.00	.00
MIN	.00	.10	46	39	45	36	40	22	.61	.00	.00	.00
AC-FT	7.1	6530	8040	13600	11870	5800	13370	7110	405	5.2	.00	.00

CAL YR 1979 TOTAL 57864.13 MEAN 159 MAX 2520 MIN .00 AC-FT 114800
WTR YR 1980 TOTAL 33645.93 MEAN 91.9 MAX 1200 MIN .00 AC-FT 66740

07349795 CYPRESS BAYOU ABOVE BENTON, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.01	---	4.74	---	6.13	4.49	---	4.59	3.23	2.14	.95	---
2	2.01	---	4.71	---	5.74	5.07	---	4.67	3.16	2.08	.92	---
3	1.99	---	4.69	---	5.45	4.82	---	4.61	2.97	2.05	.86	---
4	1.99	---	4.60	---	5.30	4.50	---	4.43	2.90	2.02	.80	---
5	1.99	---	4.50	---	5.21	4.46	---	4.13	2.79	2.00	.74	---
6	1.98	---	4.46	---	5.62	4.38	---	3.84	2.73	1.98	.70	---
7	1.96	3.35	4.50	---	5.70	4.20	---	3.63	2.66	1.95	.68	---
8	1.95	3.27	4.47	4.56	5.91	4.17	---	3.49	2.59	1.92	.63	---
9	1.94	4.15	4.39	4.37	9.00	4.18	---	3.46	2.61	1.88	.58	---
10	1.91	6.70	4.29	4.22	9.83	4.05	---	3.36	2.79	1.83	.53	---
11	1.88	6.92	4.21	4.26	9.48	3.96	---	3.25	2.82	1.78	.49	---
12	1.84	5.49	4.31	4.45	8.74	4.28	---	3.39	2.69	1.73	.44	-.39
13	1.80	4.57	5.64	4.28	7.94	4.96	---	6.25	2.60	1.68	.39	-.43
14	1.76	4.22	6.90	4.05	7.23	4.65	---	7.03	2.51	1.63	.32	-.46
15	1.72	4.06	6.55	3.99	6.66	4.13	---	6.08	2.40	1.58	.27	-.48
16	1.70	3.96	5.72	4.00	6.27	3.89	8.51	7.64	2.31	1.53	.23	-.50
17	1.67	3.89	5.31	4.45	5.90	4.30	7.47	8.62	2.24	1.47	.19	-.51
18	1.65	3.87	5.04	4.79	5.54	4.56	6.55	8.21	2.19	1.42	.15	
19	1.63	3.82	4.87	4.52	5.35	4.25	5.96	7.21	2.15	1.37	.11	
20	1.60	3.78	4.81	4.60	5.30	4.56	5.37	5.69	2.20	1.31	.07	
21	1.58	4.31	4.80	6.55	5.22	5.03	4.92	4.91	2.23	1.27	.03	
22	1.63	7.11	5.17	8.51	5.03	4.65	4.61	5.32	2.75	1.23	---	
23	1.69	8.30	6.80	10.01	4.82	4.25	4.35	5.97	2.94	1.18	---	
24	1.66	8.46	---	9.89	4.65	5.57	4.16	5.93	3.40	1.13	---	
25	1.62	8.06	---	9.10	4.51	6.32	5.59	5.01	3.02	1.08	---	
26	1.59	7.05	---	8.24	4.34	5.52	8.56	4.47	2.72	1.03	---	
27	1.57	5.87	---	7.52	4.21	4.87	8.42	4.17	2.56	1.04	---	
28	1.55	5.39	---	6.87	4.18	5.87	7.52	3.89	2.41	1.11	---	
29	1.53	5.11	---	6.33	4.21	6.86	5.93	3.68	2.30	1.07	---	
30	1.55	4.88	---	6.20	---	8.12	4.87	3.51	2.21	1.04	---	
31	---	---	---	6.21	---	8.22	---	3.37	---	.99	---	---
MEAN	---	---	---	---	5.98	4.94	---	4.96	2.63	1.53	---	---
MAX	2.01	8.46	---	10.01	9.83	8.22	---	8.62	3.40	2.14	.95	---
MIN	1.53	---	4.21	3.99	4.18	3.89	---	3.25	2.15	.99	---	---

NOTE.--Gage heights below lowest recordable stage of -0.52 ft, Sept. 18-30.

07349815 CYPRESS BAYOU LAKE NEAR BENTON, LA

LOCATION.--Lat 32°39'07", long 93°40'11", in sec.12, T.19 N., R.13 W., Webster Parish, Hydrologic Unit 11140204, on downstream side of control structure about 4,500 ft (1,400 m) right of spillway, and 5.0 mi (8.0 km) southeast of Benton.

DRAINAGE AREA.--163 mi² (422 km²).

PERIOD OF RECORD.--January 1975 to current year (gage heights only).

GAGE.--Water-stage recorder. Datum of the gage is 170.00 ft (51.816 m) National Geodetic Vertical Datum of 1929 (Louisiana Department of Transportation and Development, Office of Public Works).

REMARKS.--Reservoir is formed by a 6,000-ft (1,860-m) earthfill dam on Cypress Bayou. The 250-ft (76.2-m) concrete spillway with crest at 9.60 ft (2.936 m), gage datum, is located at left end of dam. Capacity at spillway crest, 25,000 acre-ft (30.8 hm³). A 6- by 6-ft (1.8- by 1.8-m) sluice gate with sill at -15.5 ft (-4.724 m), gage datum, is located at diversion structure 1 mi (1.6 km) upstream from spillway. Diversion structure is to divert water into Black Bayou Lake.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 11.73 ft (3.575 m) May 5, 1979; minimum gage height below lowest recordable stage of 0.74 ft (0.226 m) in 1975 and 1976 water years.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 10.66 ft (3.249 m) Apr. 15; minimum, 7.79 ft (2.374 m) Sept. 28, 29.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
INSTANTANEOUS OBSERVATIONS AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.31	9.22			---	9.78	10.31	9.98	9.66	9.45	8.80	8.14
2	9.30	9.23			---	9.77	10.27	9.92	9.64	9.43	8.77	8.13
3	9.27	9.23			---	9.73	10.19	9.89	9.63	9.40	8.74	8.11
4	9.26	9.23			---	9.73	10.11	9.84	9.62	9.38	8.71	8.10
5	9.23	9.22			---	9.78	10.01	9.81	9.60	9.36	8.69	8.08
6	9.22	9.23			---	9.74	9.94	9.77	9.57	9.29	8.67	8.06
7	9.20	9.22			---	9.75	9.89	9.75	9.56	9.31	8.65	8.05
8	9.17	9.19			---	9.74	9.86	9.76	9.55	9.28	8.62	8.03
9	9.18	9.24			---	9.73	9.80	9.69	9.58	9.26	8.60	8.01
10	9.16	9.23			---	9.73	9.77	9.65	9.55	9.24	8.58	8.00
11	9.13	9.26			---	9.71	9.73	9.65	9.53	9.21	8.56	7.98
12	9.10	9.34			---	9.78	9.96	9.62	9.52	9.19	8.54	7.97
13	9.11	9.38			---	9.85	10.16	9.77	9.50	9.17	8.51	7.95
14	9.07	9.38			---	9.76	10.40	9.84	9.48	9.14	8.49	7.93
15	9.06	9.37			---	9.75	10.45	---	9.45	9.12	8.47	7.92
16	9.05	9.37			---	9.75	10.50	---	9.43	9.09	8.43	7.89
17	9.06	9.37			---	9.78	10.42	---	9.42	9.07	8.42	7.87
18	9.05	---			---	9.76	10.36	---	9.41	9.04	8.39	7.85
19	9.04	---			---	9.76	10.22	---	9.38	9.03	8.37	7.92
20	9.03	---			9.81	9.79	10.11	---	9.60	8.99	8.35	7.90
21	9.02	---			9.78	9.79	10.02	---	9.50	8.97	8.33	7.90
22	9.00	---			9.77	9.77	9.95	10.05	9.47	8.95	8.31	7.89
23	9.00	---			9.76	9.78	9.88	10.03	9.56	8.92	8.28	7.88
24	9.06	---			9.72	9.80	9.83	10.01	9.54	8.91	8.25	7.87
25	9.05	---			9.72	9.79	9.81	9.98	9.56	8.88	8.22	7.85
26	9.04	---			9.75	9.83	10.05	9.93	9.54	8.84	8.20	7.84
27	9.02	---			9.76	9.85	10.18	9.88	9.53	8.81	8.18	7.80
28	9.01	---			9.73	9.88	10.23	9.80	9.51	8.87	8.17	7.80
29	9.03	---			9.75	9.90	10.20	9.76	9.49	8.86	8.16	7.80
30	9.00	---			---	10.32	10.09	9.73	9.47	8.84	8.16	7.90
31	9.23	---			---	10.31	---	9.69	---	8.82	8.14	---
MEAN	9.12	---			---	9.81	10.09	---	9.53	9.09	8.44	7.95
MAX	9.31	---			---	10.32	10.50	---	9.66	9.45	8.80	8.14
MIN	9.00	9.19			---	9.71	9.73	9.62	9.38	8.81	8.14	7.80

07350000 LOGGY BAYOU NEAR NINOCK, LA

LOCATION.--Lat 32°14'10", long 93°25'35", in SE¼SE¼ sec.31, T.15 N., R.10 W., Bienville-Bossier Parish line, Hydrologic Unit 11140203, near center of span on downstream side of bridge on U.S. Highway 71, 0.3 mi (0.5 km) downstream from Flat River, 1.9 mi (3.1 km) southeast of Ninock, and 7.5 mi (12.1 km) upstream from mouth.

DRAINAGE AREA.--2,628 mi² (6,807 km²).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1948 to December 1960. January 1961 to September 1964 (annual maximum). January 1961 to current year (gage heights only).

REVISED RECORDS.--WSP 1211: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 100.26 ft (30.559 m) National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to Mar. 29, 1949, and June 30 to Sept. 24, 1951, nonrecording gage at same site and datum. Sept. 15, 1955, to Sept. 30, 1964, auxiliary water-stage recorder 6.0 mi (9.7 km) downstream from base gage at datum 100.21 ft (30.544 m) National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers).

REMARKS.--Some regulation by Lake Bistineau since 1935 (station 07349250) and of flood flows by Bodcau Bayou Reservoir (capacity, 967,900 acre-ft or 1.19 hm³) since July 1949.

AVERAGE DISCHARGE.--12 years (water years 1949-60), 2,290 ft³/s (64.85 m³/s), 1,658,000 acre-ft/yr (2.04 km³/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 32,600 ft³/s (923 m³/s) May 4, 1958; maximum gage height, 47.83 ft (14.579 m) May 8, 1958; minimum discharge, no flow at times (backwater from Red River); minimum gage height, 9.46 ft (2.883 m) Oct. 23-25, 1956.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 28.34 ft (8.638 m) Apr. 16; minimum, 12.29 ft (3.746 m) Aug. 15, 16.

DISCHARGE MEASUREMENTS MADE DURING YEAR

Date	Discharge	Date	Discharge
Feb. 6, 1980....	6,320	May 8............	3,920
Mar. 14..........	3,130	May 10............	2,360
Apr. 4..........	9,640		

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
INSTANTANEOUS OBSERVATIONS AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	17.51	14.58	16.80	22.76	28.98	24.24	26.28	23.37	22.54	---	12.59	---
2	17.30	14.70	16.62	22.90	28.95	23.35	26.09	23.36	22.71	15.27	12.55	---
3	17.10	14.85	16.52	22.14	27.55	22.26	26.15	23.34	22.86	15.21	12.51	---
4	16.88	14.87	16.42	22.18	26.66	20.72	25.55	23.33	22.62	15.16	12.47	---
5	16.46	14.90	16.35	23.20	25.45	19.65	25.40	23.20	22.40	15.11	12.44	16.05
6	16.21	14.92	16.19	23.02	24.72	19.49	25.40	23.05	22.34	15.02	12.43	16.27
7	16.09	14.88	15.95	22.54	24.14	19.43	24.92	22.56	22.23	14.93	12.38	17.10
8	16.03	14.77	15.58	21.05	24.90	19.30	24.78	22.42	22.23	14.85	12.76	17.37
9	15.95	14.78	15.04	20.68	25.36	19.26	24.70	22.22	22.14	14.81	13.40	17.07
10	15.93	14.90	14.69	20.64	25.81	19.14	24.52	22.02	22.30	14.70	13.64	16.63
11	15.86	15.03	14.92	20.09	26.40	19.06	24.44	21.54	22.33	14.63	13.48	16.17
12	15.76	15.12	15.20	19.56	27.30	19.08	24.94	21.39	22.41	14.55	13.15	15.77
13	15.58	15.14	15.44	19.08	27.26	19.00	25.23	21.51	22.43	14.51	12.82	15.37
14	15.41	15.22	15.30	18.38	26.98	18.52	26.20	21.92	22.48	14.40	12.57	15.07
15	14.96	15.12	15.09	17.85	26.60	18.41	27.95	22.40	22.47	14.33	12.40	14.91
16	14.76	15.03	15.94	17.50	26.68	18.40	28.30	23.26	22.43	14.14	12.32	14.65
17	14.70	14.96	16.42	17.08	27.55	18.46	28.05	24.06	22.30	14.04	12.40	14.25
18	14.54	14.89	16.59	16.81	27.71	18.56	27.25	24.16	22.20	13.60	12.57	14.03
19	14.55	14.88	16.69	16.45	27.57	18.92	27.12	24.17	22.12	13.30	---	13.91
20	14.41	14.80	16.93	21.88	27.26	19.34	27.07	24.26	22.05	---	---	13.70
21	14.31	14.82	17.00	22.24	27.25	21.27	26.90	24.27	21.83	---	---	13.45
22	14.08	17.70	17.11	22.88	26.99	21.63	26.55	24.90	21.55	---	---	13.44
23	14.02	18.38	17.20	23.44	27.05	21.40	26.40	25.12	21.08	---	---	13.36
24	14.72	18.46	18.00	24.38	26.23	21.35	26.32	24.94	21.05	---	---	13.18
25	14.10	18.39	18.26	25.44	26.06	21.20	26.10	24.81	21.09	13.85	---	13.01
26	13.41	18.30	18.78	26.06	26.04	21.35	26.03	24.70	20.99	13.53	---	---
27	13.97	18.20	19.12	26.32	25.56	21.58	25.60	23.56	20.55	13.32	---	---
28	13.88	18.05	19.13	26.86	25.63	22.22	25.30	23.26	20.37	13.40	---	---
29	14.05	17.88	19.86	27.38	25.06	23.05	24.66	23.10	20.25	13.17	---	---
30	14.22	16.85	20.18	27.59	---	24.03	23.54	22.45	---	12.86	---	---
31	14.45	---	20.80	27.75	---	25.95	---	22.25	---	12.65	---	---
MEAN	15.26	15.82	16.91	22.14	26.52	20.63	25.93	23.25	---	---	---	---
MAX	17.51	18.46	20.80	27.75	28.98	25.95	28.30	25.12	22.86	---	---	17.37
MIN	13.88	14.58	14.69	16.45	24.14	18.40	23.54	21.39	---	12.65	12.32	---

07350000 LOGGY BAYOU NEAR NINOCK, LA--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1979 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	TEMPER-ATURE, WATER (DEG C)	COLOR (PLAT-INUM COBALT UNITS)	TUR-BID-ITY (JTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, CHEM-ICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./100 ML)	STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARD-NESS (MG/L AS CACO3)
OCT												
10...	1115	394	6.5	21.0	40	25	7.0	31	.4	K50	K10	120
NOV												
06...	1600	291	7.1	16.0	60	20	8.6	39	2.0	240	320	86
DEC												
04...	1330	141	6.3	8.5	50	15	10.4	41	2.0	K65	165	26
JAN												
09...	1200	154	6.4	8.5	40	15	10.0	--	1.0	100	K25	26
FEB												
12...	1200	131	6.2	6.0	60	20	12.3	32	--	K65	620	23
MAR												
12...	1330	136	6.3	15.0	40	20	9.0	33	3.0	K160	K140	26
APR												
22...	1545	108	6.1	21.5	20	15	7.5	35	1.8	K50	K75	21
MAY												
06...	1200	107	6.2	21.5	60	15	6.5	43	1.9	K25	330	25
JUN												
03...	1245	123	6.4	26.0	70	130	5.5	35	1.6	K40	170	26
JUL												
08...	1330	161	6.9	29.0	60	15	5.7	32	--	K65	210	42
AUG												
05...	1330	546	7.7	30.5	15	20	7.7	31	2.0	K25	K20	190
SEP												
03...	1230	166	6.2	29.5	50	85	5.6	33	2.6	--	980	36

DATE	HARD-NESS, NONCAR-BONATE (MG/L CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM AD-SORP-TION RATIO	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	BICAR-BONATE (MG/L AS HCO3)	CAR-BONATE (MG/L AS CO3)	ALKA-LINITY (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)
OCT												
10...	10	31	11	27	42	1.1	2.3	138	0	113	28	38
NOV												
06...	9	21	8.1	20	33	.9	3.1	94	0	77	22	26
DEC												
04...	8	6.5	2.3	15	54	1.3	2.1	22	0	18	4.7	25
JAN												
09...	15	6.6	2.4	17	56	1.4	2.0	14	0	11	11	32
FEB												
12...	15	6.0	2.0	15	56	1.4	2.2	10	0	8	8.8	26
MAR												
12...	15	6.5	2.4	13	49	1.1	2.2	14	0	11	8.4	24
APR												
22...	11	5.4	1.9	9.9	48	.9	1.8	13	0	11	6.9	19
MAY												
06...	11	6.4	2.1	9.9	45	.9	1.7	17	0	14	5.3	18
JUN												
03...	9	6.6	2.2	11	46	.9	2.0	20	0	16	4.8	20
JUL												
08...	9	11	3.5	13	39	.9	2.1	40	0	33	5.9	24
AUG												
05...	15	47	17	33	27	1.1	1.9	210	0	172	31	48
SEP												
03...	11	9.6	2.9	15	46	1.1	2.0	30	0	25	5.2	28

K Results based on colony count outside the acceptable range (non-ideal count).

07350000 LOGGY BAYOU NEAR NINOCK, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS NO3)	PHOS-PHORUS, TOTAL (MG/L AS P)	PHOS-PHORUS, TOTAL (MG/L AS PO4)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT											
10...	.1	9.6	230	215	.09	.63	.72	3.2	.090	.28	--
NOV											
06...	.1	9.6	167	156	.10	.72	.82	3.6	.150	.46	12
DEC											
04...	.1	11	98	78	.07	.67	.74	3.3	.060	.18	8.6
JAN											
09...	.1	8.3	99	86	.03	.79	.82	3.6	.050	.15	8.3
FEB											
12...	.0	7.6	90	73	.06	1.2	1.3	5.6	.060	.18	8.9
MAR											
12...	.0	6.4	91	70	.04	1.5	1.5	6.8	.090	.28	11
APR											
22...	.1	6.1	86	57	.02	.86	.88	3.9	.080	.25	13
MAY											
06...	.1	5.3	82	57	.04	.93	.97	4.3	.070	.21	11
JUN											
03...	.0	6.8	91	83	.05	1.3	1.4	6.0	.110	.36	15
JUL											
08...	.2	7.7	115	87	.14	1.5	1.6	7.3	.150	.46	14
AUG											
05...	.2	11	315	292	.03	.82	.85	3.8	.120	.37	7.7
SEP											
03...	.2	13	120	91	.00	1.4	1.4	6.2	.160	.49	17

DATE	ARSENIC DIS-SOLVED (UG/L AS AS)	ARSENIC TOTAL IN BOT-TOM MA-TERIAL (UG/G AS AS)	BARIUM, DIS-SOLVED (UG/L AS BA)	BARIUM, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS BA)	CADMIUM DIS-SOLVED (UG/L AS CD)	CADMIUM RECOV. FM BOT-TOM MA-TERIAL (UG/G AS CD)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR)	CHRO-MIUM, RECOV. FM BOT-TOM MA-TERIAL (UG/G)	COPPER, DIS-SOLVED (UG/L AS CU)	COPPER, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS CU)	IRON, DIS-SOLVED (UG/L AS FE)	IRON, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS FE)
OCT												
10...	1	4	100	190	<1	0	0	6	0	9	30	7800
APR												
22...	0	--	50	--	<1	--	0	--	7	--	200	--
JUL												
08...	1	--	60	--	1	--	10	--	5	--	290	--
SEP												
03...	--	--	--	--	--	--	--	--	--	--	60	--

DATE	LEAD, DIS-SOLVED (UG/L AS PB)	LEAD, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS PB)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	MANGA-NESE, RECOV. FM BOT-TOM MA-TERIAL (UG/G)	MERCURY DIS-SOLVED (UG/L AS HG)	MERCURY RECOV. FM BOT-TOM MA-TERIAL (UG/G AS HG)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)	SELE-NIUM, TOTAL IN BOT-TOM MA-TERIAL (UG/G)	STRON-TIUM, DIS-SOLVED (UG/L AS SR)	STRON-TIUM, RECOV. FM BOT-TOM MA-TERIAL (UG/G)	ZINC, DIS-SOLVED (UG/L AS ZN)	ZINC, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS ZN)
OCT												
10...	0	25	260	670	.0	.03	0	0	200	41	0	22
APR												
22...	4	--	20	--	.0	--	0	--	120	--	10	--
JUL												
08...	3	--	270	--	.0	--	0	--	130	--	10	--
SEP												
03...	--	--	150	--	--	--	--	--	--	--	--	--

< Actual value is known to be less than the value shown.

07350000 LOGGY BAYOU NEAR NINOCK, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	PCB, TOTAL (UG/L)	PCB, TOTAL IN BOTTOM MATERIAL (UG/KG)	NAPHTHALENES, POLYCHLOR. TOTAL (UG/L)	PCN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	CHLORDANE, TOTAL (UG/L)	CHLORDANE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDE, TOTAL (UG/L)	DDE, TOTAL IN BOTTOM MATERIAL (UG/KG)
OCT 10...	.0	0	.00	.0	.000	.0	.0	0	.000	2.3	.000	7.7
APR 22...	.0	--	.00	--	.000	--	.0	--	.000	--	.000	--

DATE	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIAZINON, TOTAL (UG/L)	DIAZINON, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIELDRIN TOTAL (UG/L)	DIELDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDOSULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ENDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ETHION, TOTAL (UG/L)	ETHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR, TOTAL (UG/L)
OCT 10...	.000	1.1	.00	.0	.001	.0	.000	.000	.0	.00	.0	.000
APR 22...	.000	--	.00	--	.000	--	.000	.000	--	.00	--	.000

DATE	HEPTACHLOR, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR EPOXIDE TOTAL (UG/L)	HEPTACHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOTTOM MATERIAL (UG/KG)	MALATHION, TOTAL (UG/L)	MALATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	METHOXYCHLOR, TOTAL (UG/L)	METHOXYCHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARATHION, TOTAL (UG/L)	METHYL PARATHION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRITHION, TOTAL (UG/L)
OCT 10...	.0	.000	.0	.000	.0	.00	.0	.00	.0	.00	.0	.00
APR 22...	--	.000	--	.000	--	.00	--	.00	--	.00	--	.00

DATE	METHYL TRITHION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, TOTAL (UG/L)	MIREX, TOTAL IN BOTTOM MATERIAL (UG/KG)	PARATHION, TOTAL (UG/L)	PARATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	PERTHANE TOTAL (UG/L)	TOXAPHENE, TOTAL (UG/L)	TOXAPHENE, TOTAL IN BOTTOM MATERIAL (UG/KG)	TOTAL TRITHION (UG/L)	TRITHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	2,4-D, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)
OCT 10...	.0	.00	.0	.00	.0	.00	.0	0	.00	.0	.00	.00
APR 22...	--	.00	--	.00	--	.00	.0	--	.00	--	.00	.00

07350000 LOGGY BAYOU NEAR NINOCK, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	SILVEX, TOTAL (UG/L)	SEDI-MENT, SUS-PENDED (MG/L)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT			
10...	.00	89	93
NOV			
06...	--	210	84
DEC			
05...	--	72	84
FEB			
12...	--	63	76
28...	--	119	96
MAR			
12...	--	78	86
14...	--	150	79
20...	--	87	85
22...	--	229	69
24...	--	128	74
26...	--	131	84
28...	--	149	77
30...	--	151	80
APR			
01...	--	156	76
03...	--	150	76
12...	--	105	80
14...	--	68	88
15...	--	120	93
21...	--	83	86
22...	.00	76	79
25...	--	77	83
29...	--	69	88
MAY			
05...	--	94	78
06...	--	68	89
10...	--	87	82
15...	--	63	88
17...	--	118	85
20...	--	85	80
JUN			
03...	--	116	84
JUL			
08...	--	95	84
AUG			
05...	--	125	96
SEP			
03...	--	596	81

07351000 BOGGY BAYOU NEAR KEITHVILLE, LA

LOCATION.--Lat 32°22'35", long 93°49'17", in NW¼SE¼ sec.17, T.16 N., R.14 W., Caddo Parish, Hydrologic Unit 11140206, near right bank on downstream side of bridge on U.S. Highway 171, 0.4 mi (0.6 km) downstream from Gilmer Bayou, 3.2 mi (5.1 km) north of Keithville, and 5.9 mi (9.5 km) upstream from mouth.

DRAINAGE AREA.--79 mi^2 (205 km^2), approximately.

PERIOD OF RECORD.--December 1938 to current year.

REVISED RECORDS.--WSP 1211: 1939-45, drainage area.

GAGE.--Water-stage recorder. Datum of gage is 145.13 ft (44.236 m) National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to Sept. 7, 1949, and Jan. 19 to Apr. 7, 1954, nonrecording gage at same site and datum.

REMARKS.--Records poor. Records of dissolved oxygen and water temperatures for the water year 1980 are published under miscellaneous water-quality sites in this report.

AVERAGE DISCHARGE.--41 years, 71.0 ft^3/s (2.01 m^3/s), 12.20 in/yr (310 mm/yr), 51,440 acre-ft/yr (63.4 hm^3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 14,800 ft^3/s (419 m^3/s) Jan. 5, 1946, gage height, 20.2 ft (6.16 m), from graph based on gage readings, from rating curve extended above 5,200 ft^3/s (147 m^3/s) by velocity-area studies; no flow at times in 1939-40, 1942-44, 1947-49, 1951-60, 1962-67, 1970-74.

EXTREMES OUTSIDE PERIOD OF RECORD.--The flood of July 1933 reached a stage of 26.7 ft (8.14 m).

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 1,000 ft^3/s (40 m^3/s) and maximum (*):

Date	Time	Discharge (ft^3/s)	Discharge (m^3/s)	Gage height (ft)	Gage height (m)	Date	Time	Discharge (ft^3/s)	Discharge (m^3/s)	Gage height (ft)	Gage height (m)
Nov. 22	0900	1620	45.9	16.67	5.081	Apr. 14	0015	3480	98.6	17.41	5.307
Jan. 23	0445	3580	101	17.45	5.319	May 17	0015	*3880	110	*17.56	5.352
Feb. 9	2200	2370	67.1	16.99	5.179						

Minimum daily discharge, 1.1 ft^3/s (0.03 m^3/s) Sept. 21-25.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.3	60	16	21	43	62	45	15	16	8.7	4.0	1.4
2	3.2	12	15	19	31	79	32	29	16	8.7	3.7	1.3
3	3.1	10	14	20	28	39	26	80	15	9.6	3.5	1.3
4	3.0	8.5	14	20	27	28	23	33	15	9.8	3.3	1.3
5	2.9	7.5	13	19	26	25	20	19	14	9.9	3.2	1.3
6	2.8	6.6	13	17	30	23	19	16	15	9.8	3.0	1.3
7	2.8	6.2	12	16	29	22	18	14	13	10	2.9	1.3
8	2.7	5.8	12	17	72	22	18	13	20	9.9	2.8	1.3
9	2.6	5.5	12	17	1860	21	17	14	8.0	9.1	2.7	1.3
10	2.6	10	11	19	1410	20	15	18	9.0	7.8	2.6	1.2
11	2.5	8.0	11	22	375	19	20	21	11	8.6	2.4	1.2
12	2.5	7.0	30	23	88	56	667	24	11	7.9	2.3	1.2
13	2.8	6.2	50	18	48	90	2720	28	10	7.4	2.3	1.2
14	2.7	5.8	40	17	41	39	2370	25	10	7.2	2.2	1.2
15	2.6	5.4	30	18	38	24	587	45	9.8	7.0	2.1	1.2
16	2.6	5.2	26	23	37	28	111	1530	9.6	6.9	2.0	1.2
17	2.5	5.1	23	82	36	37	44	2680	9.4	6.8	2.0	1.2
18	2.7	5.0	20	76	35	31	32	833	9.2	6.6	1.9	1.2
19	2.6	4.9	18	27	35	25	26	137	11	6.0	1.9	1.2
20	2.6	5.1	17	22	35	51	22	43	13	5.9	1.8	1.2
21	2.5	76	16	87	34	82	19	29	12	5.9	1.8	1.1
22	21	1200	37	1510	32	44	18	75	10	5.6	1.7	1.1
23	24	1060	96	2460	32	30	17	241	14	5.1	1.7	1.1
24	8.0	309	354	540	32	74	16	196	12	4.9	1.6	1.1
25	6.0	74	228	90	35	59	32	49	10	4.8	1.6	1.1
26	5.4	40	49	35	35	32	72	27	11	4.7	1.5	3.0
27	5.0	25	31	29	37	36	34	22	9.9	4.6	1.5	6.0
28	4.5	20	27	25	39	156	21	20	9.4	6.4	1.4	4.5
29	4.2	18	25	28	41	172	17	19	9.6	5.2	1.4	4.0
30	4.0	17	24	58	---	259	16	17	8.7	4.8	1.4	3.8
31	74	---	22	77	---	113	---	18	---	4.4	1.4	---
TOTAL	213.7	3028.8	1306	5452	4641	1796	7094	6330	351.6	220.0	69.6	51.8
MEAN	6.89	101	42.1	176	160	57.9	236	204	11.7	7.10	2.25	1.73
MAX	74	1200	354	2460	1860	259	2720	2680	20	10	4.0	6.0
MIN	2.5	4.9	11	16	26	19	15	13	8.0	4.4	1.4	1.1
CFSM	.09	1.28	.53	2.23	2.03	.73	2.99	2.58	.15	.09	.03	.02
IN.	.10	1.43	.61	2.57	2.19	.85	3.34	2.98	.17	.10	.03	.02
AC-FT	424	6010	2590	10810	9210	3560	14070	12560	697	436	138	103

CAL YR 1979 TOTAL 53321.6 MEAN 146 MAX 5560 MIN 1.0 CFSM 1.85 IN 25.11 AC-FT 105800
R YR 1980 TOTAL 30554.5 MEAN 83.5 MAX 2720 MIN 1.1 CFSM 1.06 IN 14.38 AC-FT 60600

07351000 BOGGY BAYOU NEAR KEITHVILLE, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11.70	13.35	11.69	12.03	12.69	12.65	11.98	10.59	10.63	10.86	11.06	11.07
2	11.75	11.83	11.74	12.00	12.22	13.15	11.43	11.16	10.64	10.88	11.02	11.13
3	11.75	11.70	11.83	12.04	12.07	11.84	11.21	13.04	10.62	10.95	11.09	11.20
4	11.74	11.64	11.90	12.12	11.96	11.41	11.05	11.36	10.63	10.99	11.07	11.24
5	11.73	11.65	11.99	12.06	11.91	11.29	10.93	10.78	10.62	11.02	11.10	11.28
6	11.73	11.67	12.05	12.03	12.02	11.19	10.87	10.63	10.68	11.03	11.07	11.28
7	11.73	11.74	12.11	12.01	11.93	11.14	10.84	10.55	10.56	11.07	11.09	11.29
8	11.75	11.80	12.14	12.08	12.71	11.14	10.81	10.50	10.24	11.09	11.10	11.22
9	11.73	11.86	12.17	12.12	16.73	11.09	10.75	10.50	10.57	11.06	11.21	11.21
10	11.72	11.89	12.18	12.23	16.52	11.02	10.69	10.72	10.81	11.00	11.17	11.22
11	11.75	11.90	12.16	12.39	15.33	10.97	10.88	10.83	10.91	11.08	11.13	11.25
12	11.77	11.95	12.35	12.49	13.52	12.33	15.53	10.98	10.94	11.06	11.14	11.20
13	11.79	12.02	12.84	12.31	12.49	13.38	17.12	11.12	10.94	11.05	11.16	11.24
14	11.80	12.04	12.65	12.26	12.17	11.78	16.97	11.01	11.02	11.04	11.19	11.20
15	11.83	12.05	12.25	12.27	12.03	11.20	15.74	11.23	11.02	11.07	11.21	11.19
16	11.85	12.06	12.13	12.46	11.94	11.33	13.60	16.24	11.07	11.10	11.21	11.19
17	11.89	12.08	12.07	13.69	11.87	11.71	11.87	17.10	11.12	11.10	11.21	11.20
18	11.90	12.13	12.03	13.65	11.82	11.47	11.40	16.06	11.08	11.11	11.22	11.21
19	11.92	12.16	12.01	12.51	11.76	11.21	11.13	13.84	11.25	11.10	11.19	11.22
20	11.94	12.20	12.04	12.30	11.73	12.22	10.95	11.69	11.45	11.11	11.13	11.22
21	11.92	13.24	12.07	13.73	11.67	13.21	10.85	11.13	11.34	11.13	11.26	11.22
22	12.25	16.38	12.38	16.31	11.62	11.98	10.77	12.59	11.00	11.14	11.26	11.22
23	12.28	16.33	13.77	17.00	11.58	11.43	10.73	14.95	11.54	11.12	11.25	11.23
24	11.55	15.07	15.36	15.67	11.60	12.95	10.69	14.51	11.00	11.13	11.15	11.21
25	11.47	12.77	14.86	13.75	11.71	12.47	11.32	11.90	10.82	11.14	10.94	11.21
26	11.54	12.02	12.84	12.61	11.72	11.47	12.82	11.03	10.85	11.16	11.00	11.27
27	11.68	11.82	12.28	12.32	11.80	11.55	11.44	10.85	10.84	11.17	10.93	11.27
28	11.78	11.70	12.16	12.14	11.86	14.33	10.88	10.75	10.83	11.26	10.64	11.29
29	11.84	11.71	12.10	12.24	11.93	14.54	10.71	10.69	10.86	11.17	10.82	11.33
30	11.93	11.68	12.09	13.16	---	15.10	10.63	10.64	10.83	11.15	11.01	11.35
31	13.63	---	12.07	13.53	---	13.71	---	10.67	---	11.12	11.06	---
MEAN	11.86	12.41	12.40	12.89	12.45	12.14	11.89	11.92	10.89	11.08	11.10	11.23
MAX	13.63	16.38	15.36	17.00	16.73	15.10	17.12	17.10	11.54	11.26	11.26	11.35
MIN	11.47	11.64	11.69	12.00	11.58	10.97	10.63	10.50	10.24	10.86	10.64	11.07

07351571 BAYOU PIERRE BELOW CASPIANA, LA

LOCATION.--Lat 32°11'31", long 93°33'16", in NW¼ sec.24, T.14 N., R.12 W., Caddo Parish, Hydrologic Unit 11140206, at LaCoupe bridge on unnamed Parish road 6.7 mi (10.8 km) south of Caspiana.

DRAINAGE AREA.--Not determined.

PERIOD OF RECORD.--Water years 1979 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	TEMPER-ATURE, WATER (DEG C)	COLOR (PLAT-INUM COBALT UNITS)	TUR-BID-ITY (JTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, CHEM-ICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./100 ML)	STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARD-NESS (MG/L AS CACO3)
OCT												
10...	0900	838	7.0	16.0	5	5	7.2	22	.9	K70	440	310
23...	1715	319	7.2	18.5	100	65	4.5	33	4.2	--	4900	110
NOV												
07...	1145	382	7.3	17.0	20	20	8.5	29	1.6	140	120	100
29...	1500	144	6.5	11.0	140	45	10.0	23	4.2	320	920	39
DEC												
04...	1145	207	6.8	8.0	80	35	9.9	42	3.3	K85	240	62
18...	1030	215	6.9	7.0	80	30	10.8	39	2.3	K60	270	66
JAN												
09...	0930	346	7.1	10.0	100	40	9.8	33	2.0	K40	K30	110
31...	1120	163	6.6	6.5	100	40	10.6	53	1.9	K220	100	53
FEB												
12...	0900	140	6.2	4.5	100	75	--	36	--	K3800	--	34
22...	1130	202	6.8	15.5	60	60	9.2	39	3.2	K15	240	71
MAR												
12...	0915	393	6.8	15.0	20	15	9.0	19	2.0	K40	240	130
26...	0900	286	6.8	14.5	60	30	7.9	39	1.8	K80	120	71
APR												
14...	1200	151	6.7	12.0	--	180	9.2	52	2.9	9600	25000	43
22...	1245	109	6.8	19.0	80	40	7.5	41	3.6	K80	460	33
MAY												
06...	1500	275	6.9	26.5	30	30	7.2	39	3.2	180	180	83
22...	1200	106	6.3	22.0	100	85	6.3	40	1.9	5500	9800	31
JUN												
03...	1015	250	7.0	28.0	60	10	5.4	39	4.5	K30	2300	79
19...	1100	915	7.3	27.5	10	8	5.6	23	2.9	K80	K200	340
JUL												
08...	1100	940	7.1	29.5	5	5	6.8	13	.6	K40	125	340
22...	1100	1010	7.8	27.0	5	8	6.9	13	1.4	K40	680	390
AUG												
05...	1000	961	7.8	27.0	10	10	6.7	18	1.7	K40	150	340
20...	1345	890	7.6	32.0	5	5	11.8	--	3.4	<2	780	370
SEP												
03...	1515	744	7.3	32.0	10	15	7.9	34	2.9	--	220	280
16...	1245	926	7.9	28.5	5	8	8.9	57	8.7	K28	K48	360

< Actual value is known to be less than the value shown.

K Results based on colony count outside the acceptable range (non-ideal count).

07351571 BAYOU PIERRE BELOW CASPIANA, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	HARD- NESS, NONCAR- BONATE (MG/L CACO3)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM AD- SORP- TION RATIO	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	BICAR- BONATE (MG/L AS HCO3)	CAR- BONATE (MG/L AS CO3)	ALKA- LINITY (MG/L AS CACO3)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)
OCT												
10...	31	72	32	58	29	1.4	3.5	342	0	281	80	63
23...	14	28	8.7	17	24	.7	7.5	112	0	92	30	23
NOV												
07...	13	23	11	33	40	1.4	5.1	110	0	90	34	39
29...	3	9.9	3.4	12	37	.8	4.6	44	0	36	16	13
DEC												
04...	0	15	5.9	15	33	.8	4.5	75	0	62	17	15
18...	16	16	6.4	17	45	.9	4.6	61	0	50	25	22
JAN												
09...	22	27	11	26	32	1.1	4.1	110	0	90	35	27
31...	17	13	4.9	12	31	.7	3.5	43	0	35	17	26
FEB												
12...	14	8.6	3.1	12	41	.9	2.8	25	0	21	23	13
22...	20	17	6.9	16	32	.8	2.9	62	0	51	25	17
MAR												
12...	32	30	13	35	37	1.3	2.7	117	0	96	46	36
26...	20	17	7.0	27	44	1.4	3.1	62	0	51	34	32
APR												
14...	10	11	3.8	13	38	.9	3.1	40	0	33	23	16
22...	6	8.1	3.0	7.1	30	.5	2.5	32	0	26	12	8.1
MAY												
06...	14	20	8.1	22	36	1.1	2.9	84	0	69	28	25
22...	4	7.3	3.0	6.6	29	.5	3.2	32	0	26	11	8.1
JUN												
03...	17	19	7.7	16	30	.8	3.1	76	0	62	21	19
19...	51	76	36	65	29	1.5	4.2	350	0	287	87	72
JUL												
08...	33	79	35	64	29	1.5	3.1	376	0	308	78	74
22...	46	88	42	72	28	1.6	2.5	423	0	347	85	80
AUG												
05...	21	77	36	59	27	1.4	2.6	390	0	320	78	66
20...	33	84	39	65	27	1.5	5.0	410	0	336	70	75
SEP												
03...	48	64	29	51	28	1.3	3.0	281	0	230	66	58
16...	36	80	40	62	27	1.4	3.0	400	0	328	73	67

07351571 BAYOU PIERRE BELOW CASPIANA, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	FLUORIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DIS-SOLVED (MG/L)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS NO3)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, TOTAL (MG/L AS PO4)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT											
10...	.3	12	501	489	.02	.52	.54	2.4	.090	.28	--
23...	.3	6.0	177	176	.82	1.7	2.5	11	.310	.95	12
NOV											
07...	.3	6.0	223	205	.13	.94	1.1	4.7	.140	.43	11
29...	.1	7.3	101	88	.08	1.2	1.3	5.7	.300	.92	14
DEC											
04...	.1	7.0	121	116	.12	1.2	1.3	5.8	.250	.77	14
18...	.2	8.6	158	130	.21	1.2	1.4	6.2	.320	.98	15
JAN											
09...	.2	10	207	194	.25	1.3	1.6	6.9	.020	.06	13
31...	.1	7.4	128	105	.21	2.3	2.5	11	.110	.34	18
FEB											
12...	.1	6.0	86	81	.25	1.3	1.6	6.9	.250	.77	11
22...	.2	6.6	129	123	.23	.81	1.0	4.6	.160	.49	12
MAR											
12...	.2	7.0	236	228	.11	.82	.93	4.1	.150	.46	8.0
26...	.1	5.4	187	157	.25	1.0	1.3	5.5	.270	.83	15
APR											
14...	.1	5.2	104	95	.38	1.6	2.0	8.8	.500	1.5	15
22...	.1	5.6	74	62	.13	1.2	1.3	5.9	.210	.64	16
MAY											
06...	.2	7.7	172	155	.10	1.5	1.6	7.1	.310	.95	11
22...	.1	6.1	84	61	.13	1.6	1.7	7.7	.100	.31	16
JUN											
03...	.1	7.4	156	130	.03	1.4	1.4	6.3	.340	1.0	15
19...	.3	16	543	528	.23	1.6	1.8	8.1	.160	.49	9.7
JUL											
08...	.5	15	566	534	.02	1.3	1.3	5.8	.120	.37	7.6
22...	.4	18	607	596	.00	1.1	1.1	4.9	.180	.55	16
AUG											
05...	.4	18	535	529	.00	.72	.72	3.2	.190	.58	4.7
20...	.7	18	604	559	--	--	--	--	--	--	--
SEP											
03...	.4	16	511	426	.00	1.7	1.7	7.5	.170	.52	12
16...	.7	18	561	541	.00	3.7	3.7	16	.150	.46	7.6

07351571 BAYOU PIERRE BELOW CASPIANA, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	ARSENIC DISSOLVED (UG/L AS AS)	ARSENIC TOTAL IN BOTTOM MATERIAL (UG/G AS AS)	BARIUM, DISSOLVED (UG/L AS BA)	BARIUM, RECOV. FM BOTTOM MATERIAL (UG/G AS BA)	CADMIUM DISSOLVED (UG/L AS CD)	CADMIUM RECOV. FM BOTTOM MATERIAL (UG/G AS CD)	CHROMIUM, DISSOLVED (UG/L AS CR)	CHROMIUM, RECOV. FM BOTTOM MATERIAL (UG/G)	COPPER, DISSOLVED (UG/L AS CU)	COPPER, RECOV. FM BOTTOM MATERIAL (UG/G AS CU)	IRON, DISSOLVED (UG/L AS FE)	IRON, RECOV. FM BOTTOM MATERIAL (UG/G AS FE)
OCT 10...	2	3	200	24	<1	0	0	1	0	2	10	850
JAN 09...	1	--	80	--	<1	--	0	--	0	--	90	--
APR 14...	3	--	200	--	1	--	0	--	7	--	240	--
JUL 08...	4	--	200	--	2	--	0	--	3	--	10	--
SEP 03...	--	--	--	--	--	--	--	--	--	--	0	--
16...	--	--	--	--	--	--	--	--	--	--	10	--

DATE	LEAD, DISSOLVED (UG/L AS PB)	LEAD, RECOV. FM BOTTOM MATERIAL (UG/G AS PB)	MANGANESE, DISSOLVED (UG/L AS MN)	MANGANESE, RECOV. FM BOTTOM MATERIAL (UG/G)	MERCURY DISSOLVED (UG/L AS HG)	MERCURY RECOV. FM BOTTOM MATERIAL (UG/G AS HG)	SELENIUM, DISSOLVED (UG/L AS SE)	SELENIUM, TOTAL IN BOTTOM MATERIAL (UG/G)	STRONTIUM, DISSOLVED (UG/L AS SR)	STRONTIUM, RECOV. FM BOTTOM MATERIAL (UG/G)	ZINC, DISSOLVED (UG/L AS ZN)	ZINC, RECOV. FM BOTTOM MATERIAL (UG/G AS ZN)
OCT 10...	1	0	280	210	.1	.02	0	0	510	9	10	4
JAN 09...	0	--	140	--	--	--	0	--	210	--	5	--
APR 14...	4	--	20	--	.0	--	0	--	120	--	60	--
JUL 08...	3	--	730	--	.0	--	0	--	540	--	6	--
SEP 03...	--	--	940	--	--	--	--	--	--	--	--	--
16...	--	--	230	--	--	--	--	--	--	--	--	--

DATE	PCB, TOTAL (UG/L)	PCB, TOTAL IN BOTTOM MATERIAL (UG/KG)	NAPHTHALENES, POLYCHLOR. TOTAL (UG/L)	PCN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	CHLORDANE, TOTAL (UG/L)	CHLORDANE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDE, TOTAL (UG/L)	DDE, TOTAL IN BOTTOM MATERIAL (UG/KG)
OCT 23...	.0	1	.00	.0	.000	.0	.0	4	.000	3.4	.000	21
APR 14...	.0	--	.00	--	.000	--	.0	--	.049	--	.000	--

DATE	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIAZINON, TOTAL (UG/L)	DIAZINON, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIELDRIN TOTAL (UG/L)	DIELDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDOSULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ENDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ETHION, TOTAL (UG/L)	ETHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR, TOTAL (UG/L)
OCT 23...	.000	1.7	.01	.0	.012	.0	.000	.000	.0	.00	.0	.000
APR 14...	.189	--	.08	--	.138	--	.000	.003	--	.00	--	.003

DATE	HEPTACHLOR, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR EPOXIDE TOTAL (UG/L)	HEPTACHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOTTOM MATERIAL (UG/KG)	MALATHION, TOTAL (UG/L)	MALATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	METHOXYCHLOR, TOTAL (UG/L)	METHOXYCHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARATHION, TOTAL (UG/L)	METHYL PARATHION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRITHION, TOTAL (UG/L)
OCT 23...	.0	.000	.0	.000	.0	3.4	.0	.00	.0	.00	.0	.00
APR 14...	--	.000	--	.000	--	.00	--	.00	--	.00	--	.00

< Actual value is known to be less than the value shown.

07351571 BAYOU PIERRE BELOW CASPIANA, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	METHYL TRI-THION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, TOTAL (UG/L)	MIREX, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	PARA-THION, TOTAL (UG/L)	PARA-THION, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	PER-THANE TOTAL (UG/L)	TOX-APHENE, TOTAL (UG/L)	TOXA-PHENE, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	TOTAL TRI-THION (UG/L)	TRI-THION, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	2,4-D, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)
OCT												
23...	.0	.00	.0	.00	.0	.00	.0	0	.00	.0	.20	.10
APR												
14...	--	.00	--	.00	--	.00	.0	--	.00	--	.11	.01

DATE	SILVEX, TOTAL (UG/L)	SEDI-MENT, SUS-PENDED (MG/L)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT			
10...	--	104	80
23...	.00	265	86
NOV			
07...	--	125	83
29...	--	96	90
DEC			
04...	--	74	88
18...	--	60	88
JAN			
31...	--	178	45
FEB			
12...	--	139	86
22...	--	110	80
MAR			
12...	--	86	86
26...	--	159	79
APR			
14...	.00	252	98
22...	--	92	87
MAY			
06...	--	172	88
22...	--	169	73
JUN			
03...	--	213	88
19...	--	134	84
JUL			
08...	--	143	78
22...	--	112	86
AUG			
05...	--	171	75
20...	--	193	65
SEP			
03...	--	83	82
16...	--	94	69

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	SUS-PENDED SEDI-MENT (MG/L)	SUS. SED. SIEVE DIAM. % FINER THAN .062 MM
MAY			
26...	1500	96	95
JUN			
11...	0945	1061	97
JUL			
19...	1015	213	96
AUG			
07...	1015	135	88
SEP			
05...	0945	149	85
18...	1300	168	78

07351600 BAYOU PIERRE NEAR GRAND BAYOU, LA

LOCATION.--Lat 32°04'41", long 93°30'36", in SE¼SE¼ sec.29, T.13 N., R.11 W., DeSoto Parish, Hydrologic Unit 11140206, near left bank on downstream side of bridge on U.S. Highway 84, 0.7 mi (1.1 km) upstream from Bailey Bayou, and 2.8 mi (4.5 km) west of the village of Grand Bayou.

DRAINAGE AREA.--661 mi² (1,712 km²).

PERIOD OF RECORD.--October 1979 to September 1980. October 1977 to September 1979 (daily gage heights, annual maximums, and daily discharges below 400 ft³/s or 11.33 m³/s only). October 1946 to November 1954, August 1956 to August 1957, and since September 1960, gage heights and discharge measurements in reports of Corps of Engineers.

GAGE.--Water-stage recorder. Datum of gage is 101.13 ft (30.824 m) National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers).

COOPERATION.--Prior to Aug. 14, 1980, gage-height record furnished by Corps of Engineers.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharges for water years 1978 and 1979, not previously published:

Water year	Date	Discharge (ft³/s)	Discharge (m³/s)	Gage height (ft)	Gage height (m)	Water year	Date	Discharge (ft³/s)	Discharge (m³/s)	Gage height (ft)	Gage height (m)
1978	May 9, 1978	3930	111	19.11	5.855	1979	Jan. 22, 1979	7260	206	26.93	8.208

Minimum daily discharge, 6.5 ft³/s (0.184 m³/s) Oct. 19, 1978; minimum gage height, 4.74 ft (1.445 m) Oct. 17, 1979.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of August 1933 reached a stage of 35.4 ft (10.80 m), from floodmark; discharge not determined.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 6,960 ft³/s (197 m³/s) Apr. 15, gage height, 26.31 ft (8.019 m); minimum, 12 ft³/s (0.34 m³/s) Oct. 17, gage height, 4.74 ft (1.445 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	48	424	552	322	1390	172	3150	451	499	39	25	24
2	39	427	451	275	1310	265	2140	840	395	32	24	20
3	30	320	352	250	1120	245	1620	1080	305	28	20	16
4	24	250	298	260	924	260	1300	1110	245	26	20	17
5	18	195	250	242	764	268	954	1020	192	23	18	16
6	18	160	215	208	644	250	780	760	150	21	135	16
7	17	135	185	190	520	232	620	496	118	20	372	16
8	18	109	160	172	608	242	484	375	97	20	536	16
9	17	103	125	152	1630	232	382	300	78	19	478	20
10	16	93	103	142	2740	210	312	242	93	20	392	19
11	14	83	83	135	3300	195	342	190	80	19	305	17
12	14	72	135	125	3040	190	2620	160	62	20	232	16
13	13	62	348	111	2430	320	5220	170	49	18	162	15
14	13	58	493	107	1850	328	6740	212	42	19	125	15
15	13	48	415	99	1600	342	6860	430	38	20	93	15
16	13	43	380	97	1390	415	6340	4500	34	20	71	16
17	14	42	330	120	1140	496	5480	5750	32	20	60	16
18	14	40	275	212	957	580	3830	6030	32	20	48	16
19	15	35	220	150	824	556	2580	5780	32	20	41	22
20	20	32	190	100	708	1120	1850	4780	38	20	34	20
21	16	97	158	200	592	1960	1620	3400	95	20	30	19
22	18	1550	140	500	481	1890	1430	2890	260	20	25	19
23	55	1800	205	1500	392	1730	1220	2620	172	20	21	18
24	168	1660	876	3800	338	1550	1040	2340	210	20	21	17
25	87	1530	1030	3900	292	1200	930	1980	155	19	18	17
26	64	1360	824	2700	242	954	1130	1680	105	16	16	17
27	54	1130	692	2310	208	990	1060	1420	80	20	16	16
28	46	950	604	1660	182	1510	915	1110	67	27	19	16
29	42	796	532	1500	170	1990	756	915	50	32	19	17
30	38	656	460	1450	---	3960	580	768	43	39	26	18
31	111	---	385	1440	---	4110	---	632	---	29	22	---
TOTAL	1087	14260	11466	24429	31786	28762	64285	54431	3848	706	3424	522
MEAN	35.1	475	370	788	1096	928	2143	1756	128	22.8	110	17.4
MAX	168	1800	1030	3900	3300	4110	6860	6030	499	39	536	24
MIN	13	32	83	97	170	172	312	160	32	16	16	15
CFSM	.05	.71	.55	1.17	1.63	1.38	3.18	2.61	.19	.03	.16	.03
IN.	.06	.79	.63	1.35	1.75	1.59	3.55	3.00	.21	.04	.19	.03
AC-FT	2160	28280	22740	48450	63050	57050	127500	108000	7630	1400	6790	1040

WTR YR 1980 TOTAL 239006 MEAN 653 MAX 6860 MIN 13 CFSM .97 IN 13.19 AC-FT 474100

07351600 BAYOU PIERRE NEAR GRAND BAYOU, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.09	6.68	7.08	6.29	9.70	5.69	17.25	6.77	6.93	5.07	4.88	4.93
2	5.03	6.69	6.77	6.10	9.36	6.06	13.95	7.80	6.58	5.02	4.87	4.89
3	4.96	6.28	6.41	6.00	8.73	5.98	11.15	8.60	6.22	4.98	4.84	4.83
4	4.90	6.00	6.19	6.04	8.08	6.04	9.32	8.70	5.98	4.96	4.84	4.85
5	4.83	5.78	6.00	5.97	7.61	6.07	8.18	8.40	5.77	4.92	4.82	4.84
6	4.83	5.62	5.86	5.83	7.31	6.00	7.65	7.60	5.60	4.90	5.53	4.84
7	4.82	5.51	5.74	5.76	7.00	5.93	7.25	6.92	5.47	4.88	6.49	4.85
8	4.83	5.39	5.64	5.69	7.22	5.97	6.86	6.50	5.37	4.87	7.04	4.85
9	4.82	5.35	5.50	5.61	11.25	5.93	6.53	6.20	5.27	4.86	6.86	4.90
10	4.80	5.30	5.40	5.57	15.97	5.84	6.25	5.97	5.35	4.88	6.57	4.88
11	4.77	5.25	5.30	5.54	17.63	5.78	6.37	5.76	5.28	4.86	6.22	4.86
12	4.77	5.18	5.54	5.50	16.97	5.76	15.33	5.64	5.18	4.86	5.93	4.85
13	4.76	5.12	6.39	5.44	14.94	6.28	22.95	5.68	5.10	4.84	5.65	4.84
14	4.76	5.10	6.91	5.42	12.77	6.31	25.89	5.85	5.05	4.85	5.50	4.84
15	4.76	5.03	6.65	5.38	10.95	6.37	26.11	6.70	5.02	4.85	5.35	4.84
16	4.76	5.00	6.52	5.37	9.69	6.65	25.07	20.63	4.99	4.85	5.24	4.85
17	4.77	4.99	6.32	5.48	8.79	6.92	23.07	23.75	4.98	4.85	5.18	4.85
18	4.78	4.98	6.10	5.85	8.19	7.15	18.95	24.45	4.98	4.84	5.11	4.87
19	4.79	4.94	5.88	---	7.76	7.09	15.42	23.82	4.98	4.84	5.06	4.94
20	4.85	4.92	5.76	---	7.47	9.09	12.77	21.32	5.02	4.84	5.00	4.91
21	4.80	5.32	5.63	---	7.18	13.28	11.18	17.87	5.36	4.84	4.97	4.91
22	4.83	10.88	5.56	---	6.87	12.96	9.92	16.47	6.04	4.84	4.92	4.91
23	5.14	12.50	5.82	---	6.57	12.15	9.05	15.58	5.71	4.84	4.89	4.89
24	5.67	11.57	7.92	---	6.35	10.48	8.45	14.64	5.87	4.83	4.89	4.88
25	5.32	10.39	8.42	---	6.17	8.99	8.10	13.38	5.67	4.81	4.85	4.88
26	5.19	9.56	7.76	15.82	5.97	8.18	8.77	11.76	5.47	4.78	4.82	4.89
27	5.13	8.76	7.43	14.54	5.83	8.30	8.55	9.86	5.34	4.82	4.82	4.88
28	5.08	8.18	7.21	11.58	5.73	10.31	8.05	8.69	5.26	4.90	4.87	4.88
29	5.05	7.69	7.03	10.27	5.68	12.95	7.59	8.05	5.16	4.94	4.87	4.89
30	5.02	7.34	6.80	10.00	---	19.29	7.15	7.62	5.11	4.99	4.95	4.91
31	5.44	---	6.54	9.97	---	19.65	---	7.28	---	4.91	4.91	---
MEAN	4.95	6.71	6.39	---	9.09	8.50	12.44	11.23	5.47	4.88	5.31	4.87
MAX	5.67	12.50	8.42	---	17.63	19.65	26.11	24.45	6.93	5.07	7.04	4.94
MIN	4.76	4.92	5.30	5.37	5.68	5.69	6.25	5.64	4.98	4.78	4.82	4.83

07351740 BAYOU PIERRE AT EVELYN, LA

LOCATION.--Lat 31°59'20", long 93°26'30", in NE corner sec.36, T.12 N., R.11 W., De Soto-Red River Parish line, Hydrologic Unit 11140206, at bridge on State Highway 177, and 0.2 mi (0.3 km) northeast of Evelyn.

DRAINAGE AREA.--707 mi² (1,831 km²).

PERIOD OF RECORD.--Water years 1979 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	TEMPER-ATURE, WATER (DEG C)	COLOR (PLAT-INUM COBALT UNITS)	TUR-BID-ITY (JTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, CHEM-ICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./100 ML)	STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARD-NESS (MG/L AS CACO3)
OCT												
10...	0815	734	6.8	21.0	5	15	8.1	25	2.4	K30	K80	280
NOV												
06...	1220	333	6.8	16.0	20	25	8.4	33	1.8	100	140	87
DEC												
04...	1100	224	6.7	9.0	140	35	9.7	20	4.9	210	240	63
JAN												
09...	0815	372	7.0	9.5	100	40	8.5	40	2.1	120	K60	120
FEB												
12...	0815	169	6.3	5.5	100	50	11.4	41	--	K1300	4200	42
MAR												
12...	1030	388	6.8	17.0	50	35	7.7	24	1.6	<10	K10	130
APR												
22...	1100	110	6.4	19.0	80	45	7.3	74	1.8	160	240	34
MAY												
06...	1430	173	6.6	24.5	70	55	5.8	44	.5	290	260	51
JUN												
03...	1045	238	6.8	28.0	70	30	3.8	32	.2	K25	580	88
JUL												
08...	0930	780	6.8	31.5	10	10	5.2	22	.8	<20	1200	290
AUG												
05...	1115	1110	7.8	30.0	10	8	6.3	22	1.5	K10	K70	410
SEP												
03...	1030	1010	7.2	29.0	10	15	4.4	26	1.8	--	280	370

DATE	HARD-NESS, NONCAR-BONATE (MG/L CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM AD-SORP-TION RATIO	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	BICAR-BONATE (MG/L AS HCO3)	CAR-BONATE (MG/L AS CO3)	ALKA-LINITY (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)
OCT												
10...	35	64	30	55	29	1.4	4.0	303	0	249	64	56
NOV												
06...	6	21	8.3	29	40	1.4	5.3	98	0	80	30	35
DEC												
04...	7	15	6.2	16	45	.9	4.2	68	0	56	22	17
JAN												
09...	20	27	12	27	32	1.1	4.5	118	0	97	37	32
FEB												
12...	16	10	4.1	16	43	1.1	3.5	31	0	25	23	18
MAR												
12...	32	29	13	31	34	1.2	2.9	114	0	94	44	35
APR												
22...	7	8.2	3.2	6.8	29	.5	2.7	33	0	27	12	8.0
MAY												
06...	8	12	5.0	13	34	.8	2.8	52	0	43	19	15
JUN												
03...	17	21	8.7	16	27	.7	3.5	87	0	71	21	18
JUL												
08...	32	66	30	51	27	1.3	3.6	312	0	256	66	59
AUG												
05...	41	87	46	75	29	1.6	2.4	446	0	366	74	91
SEP												
03...	56	77	44	66	28	1.5	4.0	388	0	318	68	88

< Actual value is known to be less than the value shown.

K Results based on colony count outside the acceptable range (non-ideal count).

07351740 BAYOU PIERRE AT EVELYN, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	FLUORIDE, DISSOLVED (MG/L AS F)	SILICA, DISSOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS NO3)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, TOTAL (MG/L AS PO4)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT											
10...	.3	11	426	433	.21	.78	.99	4.4	.100	.31	--
NOV											
06...	.2	5.1	204	182	.17	.85	1.0	4.5	.120	.37	9.5
DEC											
04...	.1	7.6	164	121	.16	1.1	1.3	5.6	.250	.77	13
JAN											
09...	.2	10	233	208	.32	1.5	1.8	8.1	.010	.03	14
FEB											
12...	.0	7.4	104	97	.22	1.1	1.3	5.8	.280	.86	12
MAR											
12...	.2	7.5	229	219	.22	1.0	1.2	5.4	.210	.64	9.0
APR											
22...	.1	5.7	82	63	.15	1.1	1.3	5.5	.240	.74	14
MAY											
06...	.1	5.2	113	98	.15	1.2	1.4	6.0	.240	.74	13
JUN											
03...	.1	8.1	165	139	.15	1.5	1.6	7.3	.280	.86	13
JUL											
08...	.4	12	464	442	.13	1.3	1.4	6.3	.170	.52	14
AUG											
05...	.4	15	637	611	.00	.67	.67	3.0	.190	.58	4.4
SEP											
03...	.5	16	600	555	.09	1.2	1.3	5.7	.160	.49	13

DATE	ARSENIC DISSOLVED (UG/L AS AS)	ARSENIC TOTAL IN BOTTOM MATERIAL (UG/G AS AS)	BARIUM, DISSOLVED (UG/L AS BA)	BARIUM, RECOV. FM BOTTOM MATERIAL (UG/G AS BA)	CADMIUM DISSOLVED (UG/L AS CD)	CADMIUM RECOV. FM BOTTOM MATERIAL (UG/G AS CD)	CHROMIUM, DISSOLVED (UG/L AS CR)	CHROMIUM, RECOV. FM BOTTOM MATERIAL (UG/G)	COPPER, DISSOLVED (UG/L AS CU)	COPPER, RECOV. FM BOTTOM MATERIAL (UG/G AS CU)	IRON, DISSOLVED (UG/L AS FE)	IRON, RECOV. FM BOTTOM MATERIAL (UG/G AS FE)
OCT												
10...	0	6	200	210	<1	0	0	11	2	32	30	16000
JAN												
09...	1	--	90	--	<1	--	0	--	0	--	340	--
APR												
22...	1	--	40	--	<1	--	0	--	4	--	180	--
JUL												
08...	3	--	200	--	<1	--	0	--	2	--	10	--
SEP												
03...	--	--	--	--	--	--	--	--	--	--	10	--

DATE	LEAD, DISSOLVED (UG/L AS PB)	LEAD, RECOV. FM BOTTOM MATERIAL (UG/G AS PB)	MANGANESE, DISSOLVED (UG/L AS MN)	MANGANESE, RECOV. FM BOTTOM MATERIAL (UG/G)	MERCURY DISSOLVED (UG/L AS HG)	MERCURY RECOV. FM BOTTOM MATERIAL (UG/G AS HG)	SELENIUM, DISSOLVED (UG/L AS SE)	SELENIUM, TOTAL IN BOTTOM MATERIAL (UG/G)	STRONTIUM, DISSOLVED (UG/L AS SR)	STRONTIUM, RECOV. FM BOTTOM MATERIAL (UG/G)	ZINC, DISSOLVED (UG/L AS ZN)	ZINC, RECOV. FM BOTTOM MATERIAL (UG/G AS ZN)
OCT												
10...	0	30	260	280	.0	.04	2	0	470	25	10	35
JAN												
09...	0	--	190	--	--	--	0	--	220	--	4	--
APR												
22...	5	--	40	--	.1	--	0	--	80	--	9	--
JUL												
08...	3	--	520	--	.0	--	0	--	490	--	7	--
SEP												
03...	--	--	700	--	--	--	--	--	--	--	--	--

< Actual value is known to be less than the value shown.

07351740 BAYOU PIERRE AT EVELYN, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	PCB, TOTAL (UG/L)	PCB, TOTAL IN BOTTOM MATERIAL (UG/KG)	NAPHTHALENES, POLYCHLOR. TOTAL (UG/L)	PCN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	CHLORDANE, TOTAL (UG/L)	CHLORDANE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDE, TOTAL (UG/L)	DDE, TOTAL IN BOTTOM MATERIAL (UG/KG)
OCT												
10...	.0	4	.00	.0	.000	.0	.0	4	.010	6.7	.000	14
APR												
22...	.0	--	.00	--	.000	--	.0	--	.002	--	.000	--

DATE	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIAZINON, TOTAL (UG/L)	DIAZINON, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIELDRIN TOTAL (UG/L)	DIELDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDOSULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ENDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ETHION, TOTAL (UG/L)	ETHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR, TOTAL (UG/L)
OCT												
10...	.000	2.6	.08	.0	.010	.0	.000	.000	.0	.00	.0	.000
APR												
22...	.003	--	.01	--	.004	--	.000	.000	--	.00	--	.000

DATE	HEPTACHLOR, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR EPOXIDE TOTAL (UG/L)	HEPTACHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOTTOM MATERIAL (UG/KG)	MALATHION, TOTAL (UG/L)	MALATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	METHOXYCHLOR, TOTAL (UG/L)	METHYL PARATHION, TOTAL (UG/L)	METHYL PARATHION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRITHION, TOTAL (UG/L)	METHYL TRITHION, TOT. IN BOTTOM MATL. (UG/KG)
OCT												
10...	.0	.000	.0	.000	.0	.00	.0	.00	.00	.0	.00	.0
APR												
22...	--	.000	--	.000	--	.00	--	.00	.00	--	.00	--

DATE	MIREX, TOTAL (UG/L)	MIREX, TOTAL IN BOTTOM MATERIAL (UG/KG)	PARATHION, TOTAL (UG/L)	PARATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	PERTHANE TOTAL (UG/L)	TOXAPHENE, TOTAL (UG/L)	TOXAPHENE, TOTAL IN BOTTOM MATERIAL (UG/KG)	TOTAL TRITHION (UG/L)	TRITHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	2,4-D, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)
OCT											
10...	.00	.0	.00	.0	.00	.0	0	.00	.0	.15	.01
APR											
22...	.00	--	.00	--	.00	.0	--	.00	--	.08	.01

07351740 BAYOU PIERRE AT EVELYN, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	SILVEX, TOTAL (UG/L)	SEDI-MENT, SUS-PENDED (MG/L)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT			
10...	.00	136	100
NOV			
06...	--	108	79
DEC			
04...	--	85	80
JAN			
09...	--	151	92
FEB			
12...	--	90	87
28...	--	143	98
MAR			
12...	--	126	94
20...	--	118	93
22...	--	318	98
24...	--	167	84
26...	--	136	97
28...	--	197	97
30...	--	201	99
APR			
01...	--	149	96
03...	--	101	90
12...	--	197	98
14...	--	143	96
15...	--	212	97
21...	--	93	95
22...	.00	98	99
25...	--	101	94
29...	--	91	99
MAY			
05...	--	121	92
06...	--	127	91
10...	--	133	96
15...	--	123	96
17...	--	281	98
20...	--	135	95
JUN			
03...	--	117	87
JUL			
08...	--	122	87
AUG			
05...	--	221	72
SEP			
03...	--	102	87

07351740 BAYOU PIERRE AT EVELYN, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	SUS- PENDED SEDI- MENT (MG/L)	SUS. SED. SIEVE DIAM. % FINER THAN .062 MM
NOV			
14...	1520	60	75
DEC			
06...	1030	58	91
JAN			
05...	1100	42	88
FEB			
06...	1630	132	95
06...	1700	86	92
07...	0800	198	97
07...	1600	184	96
12...	0900	280	99
12...	1500	275	98
17...	0800	259	99
17...	1600	256	97
18...	0830	251	96
18...	1700	255	98
21...	0800	248	98
21...	1700	269	96
23...	0830	267	97
23...	1500	273	96
MAR			
06...	1115	76	75
APR			
03...	1000	66	96
03...	1730	234	--
04...	0800	214	--
04...	1600	240	--
05...	0830	220	--
05...	1700	198	--
06...	1000	209	--
07...	0700	246	--
07...	1600	218	--
08...	0800	184	--
08...	1700	125	--
09...	0900	134	--
09...	1800	274	--
10...	1100	174	--
MAY			
16...	1400	149	88
JUN			
04...	0800	101	92
04...	1700	115	96
05...	0915	109	95
06...	0900	139	88
06...	1530	136	92
07...	0900	175	91
JUL			
09...	1654	130	88
10...	1130	165	83
AUG			
07...	0915	104	97
SEP			
05...	0915	204	90

07351749 CHEMARD LAKE NEAR EVELYN, LA

LOCATION.--Lat 31°56'22", long 93°27'05", in NE¼SW¼ sec.13, T.11 N., R.11 W., De Soto Parish, Hydrologic Unit 11140206, near center of span on downstream side of bridge on State Highway 177, 0.5 mi (0.8 km) downstream from Rambin Bayou, 2.8 mi (4.5 km) upstream from mouth, and 3.5 mi (5.6 km) south of Evelyn.

DRAINAGE AREA.--43.8 mi^2 (113.4 km^2).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--September 1977 to September 1979 (discontinued), gage heights and discharge measurements only.

GAGE.--Water-stage recorder. Datum of gage is 120.33 ft (36.677 m) National Geodetic Vertical Datum of 1929.

REMARKS.--Chemard Lake is natural swamp formed by nature. Records of dissolved oxygen and water temperatures for water years 1978-79 are published under miscellaneous water-quality sites in this report.

EXTREMES FOR CURRENT PERIOD.--Sept. 15-30, 1977: Maximum gage height during period, 2.05 ft (0.625 m) Sept. 20; minimum, 1.61 ft (0.491 m) Sept. 30.

Water year 1978: Maximum gage height, 6.38 ft (1.945 m) about Dec. 30, from floodmark; minimum, less than lowest recordable stage, 1.12 ft (0.341 m), July 13 to Aug. 28.

Water year 1979: Maximum gage height, 9.00 ft (2.743 m) Jan. 21, from floodmark; minimum, unknown.

Discharge measurements made during collection of record

Date	Discharge (ft^3/s)
Nov. 14, 1977	0.88
Dec. 13......	28.2
Dec. 14......	123
Feb. 6, 1978	23.7
Mar. 29......	22.6
May 8......	17.0
Oct. 6......	0.55
Nov. 6......	0.22
Dec. 4......	282
Dec. 18......	7.79
Jan. 22, 1979	235
Mar. 6......	174
Apr. 16......	34.0
May 4......	127
May 30......	13.7
Sept. 26......	2.40

GAGE HEIGHT (FEET ABOVE DATUM), SEPTEMBER 1977
MEAN VALUES

SEPT. 15.........	1.72	SEPT. 19.........	1.89	SEPT. 23.........	1.82	SEPT. 27.........	1.74
16.........	1.72	20.........	2.04	24.........	1.80	28.........	1.72
17.........	1.72	21.........	1.99	25.........	1.79	29.........	1.68
18.........	1.71	22.........	1.89	26.........	1.75	30.........	1.64

07351749 CHEMARD LAKE NEAR EVELYN, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.61	---	3.62	---	---	3.69	2.79	2.16	2.54	1.23	---	1.38
2	1.61	---	3.14	---	---	3.85	2.73	2.13	3.15	1.20	---	1.32
3	1.58	---	2.78	---	---	3.99	2.69	2.33	3.38	1.17	---	1.32
4	1.53	---	2.59	---	---	4.11	2.67	2.37	3.12	1.18	---	1.69
5	1.53	---	2.44	---	---	4.20	2.64	2.33	2.86	1.22	---	2.40
6	1.53	---	2.31	---	---	4.28	2.60	2.27	2.65	1.19	---	2.24
7	1.53	---	2.25	---	3.14	4.62	2.58	2.61	2.55	1.16	---	2.03
8	1.64	---	2.23	---	3.09	5.11	2.55	2.98	2.51	1.14	---	1.90
9	1.68	---	2.32	---	3.06	5.20	2.52	3.24	2.45	1.13	---	1.80
10	---	---	2.28	---	3.05	5.14	2.56	2.94	2.39	1.13	---	1.77
11	---	---	2.27	---	3.02	4.99	2.63	2.60	2.34	1.13	---	1.91
12	---	---	2.26	---	3.31	4.78	2.88	3.67	2.27	1.13	---	2.05
13	---	---	3.50	---	5.24	4.47	2.75	4.74	2.20	---	---	2.03
14	---	---	5.07	---	5.79	3.97	2.62	5.05	2.13	---	---	2.22
15	---	2.00	4.97	---	5.45	3.42	2.51	4.73	2.04	---	---	3.27
16	---	2.00	4.52	---	5.02	3.06	2.43	4.33	1.95	---	---	3.81
17	---	1.97	4.02	---	4.63	2.85	2.52	3.74	1.85	---	---	3.12
18	---	1.93	---	---	4.39	2.75	4.56	3.24	1.76	---	---	2.51
19	---	1.92	---	---	4.22	2.71	5.07	2.93	1.70	---	---	2.20
20	---	1.88	---	---	3.92	2.72	4.65	2.73	1.65	---	---	2.11
21	---	2.13	---	---	3.48	2.86	4.10	2.59	1.61	---	---	2.06
22	---	2.15	---	---	3.23	2.97	3.27	2.50	1.57	---	---	2.01
23	---	2.14	---	---	3.11	2.97	2.79	2.43	1.52	---	---	1.95
24	---	2.14	---	---	3.08	4.14	2.61	2.35	1.47	---	---	1.90
25	---	2.12	---	---	3.04	4.93	2.49	2.31	1.45	---	---	1.86
26	---	2.09	---	---	3.12	4.80	2.39	2.25	1.41	---	---	1.81
27	---	2.09	---	---	3.33	4.50	2.32	2.16	1.37	---	---	1.78
28	---	2.10	---	---	3.52	4.00	2.22	2.06	1.33	---	---	1.76
29	---	2.45	---	---	---	3.34	2.19	2.54	1.29	---	1.43	1.83
30	---	3.57	---	---	---	3.04	2.16	2.64	1.26	---	1.57	1.78
31	---	---	---	---	---	2.89	---	2.58	---	---	1.45	---
MEAN	---	---	---	---	---	3.88	2.86	2.89	2.06	---	---	2.06
MAX	---	3.57	5.07	---	5.79	5.20	5.07	5.05	3.38	1.23	1.57	3.81
MIN	1.53	---	---	---	3.02	2.71	2.16	2.06	1.26	---	---	1.32

NOTE.--Less than 1.12 ft, lowest recordable stage July 13 to Aug. 28, 1978.

07351749 CHEMARD LAKE NEAR EVELYN, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.74	1.61	---	---	6.69	7.02	5.49	2.98	3.21	2.19	2.67	2.65
2	1.71	1.61	---	---	6.33	6.66	7.66	3.14	3.46	2.16	2.62	2.65
3	1.70	1.62	---	---	6.20	7.31	8.65	3.22	3.88	2.12	2.57	2.69
4	1.69	1.61	---	---	6.11	7.91	8.72	4.68	3.72	2.08	2.52	2.75
5	1.86	1.61	5.96	---	5.96	7.60	8.45	6.14	3.23	2.04	2.49	3.22
6	1.90	1.68	5.52	6.03	6.48	7.21	8.05	5.85	3.05	2.04	2.48	3.32
7	1.82	1.70	5.17	7.44	7.72	6.79	7.62	5.38	3.73	2.19	2.47	2.92
8	1.76	1.67	5.04	7.25	7.41	6.37	7.20	4.85	3.73	2.48	2.46	2.55
9	1.72	---	---	6.75	7.02	5.93	6.77	4.30	3.22	3.55	2.45	2.32
10	1.68	---	---	---	6.67	5.55	6.33	3.61	2.87	3.45	2.45	2.20
11	1.67	---	---	---	6.31	5.41	5.89	3.19	2.66	2.83	2.43	2.11
12	1.65	---	---	---	5.92	5.25	5.56	3.24	2.55	2.52	2.43	2.07
13	1.64	---	---	---	5.46	4.93	5.21	3.22	2.49	2.34	2.43	2.07
14	1.62	---	---	---	5.04	4.57	4.75	3.02	2.46	2.31	2.44	2.04
15	1.61	---	---	---	4.62	4.21	4.27	2.84	2.44	2.35	2.49	2.03
16	1.59	---	---	---	4.20	4.10	3.66	2.70	2.43	2.45	2.52	2.02
17	1.57	---	---	---	3.99	4.52	3.21	2.59	2.41	2.49	2.52	2.06
18	1.55	---	---	---	5.01	4.70	3.04	2.52	2.40	2.54	2.51	2.12
19	1.53	---	---	---	5.63	4.57	2.99	2.46	2.40	2.53	2.50	2.16
20	1.52	---	---	---	5.86	4.79	3.03	2.44	2.41	2.51	2.49	3.75
21	1.50	---	---	---	5.93	5.44	3.32	2.46	2.41	2.49	2.47	4.18
22	1.48	---	---	---	5.75	5.48	4.06	2.51	2.40	2.47	2.47	3.51
23	1.47	---	---	---	5.74	5.77	4.98	2.57	2.38	2.46	2.46	2.87
24	1.47	---	---	---	7.95	5.77	5.05	2.63	2.36	2.44	2.45	2.50
25	1.46	---	---	---	8.45	5.42	4.69	2.62	2.33	2.44	2.63	2.37
26	1.81	---	---	---	8.20	5.01	4.23	2.59	2.31	2.54	3.10	2.27
27	1.73	---	---	---	7.80	4.63	3.69	2.57	2.29	2.61	2.91	2.23
28	1.66	---	---	---	7.41	4.28	3.26	2.58	2.26	2.73	2.77	2.19
29	1.62	---	---	---	---	3.93	3.10	2.78	2.23	2.81	2.70	2.17
30	1.61	---	---	6.61	---	3.59	3.05	2.98	2.21	2.95	2.67	2.21
31	1.61	---	---	7.44	---	4.31	---	3.18	---	2.81	2.66	---
MEAN	1.64	---	---	---	6.28	5.45	5.20	3.29	2.73	2.51	2.56	2.54
MAX	1.90	---	---	7.44	8.45	7.91	8.72	6.14	3.88	3.55	3.10	4.18
MIN	1.46	1.61	---	---	3.99	3.59	2.99	2.44	2.21	2.04	2.43	2.02

NOTE.--Gage heights Jan. 30 to Feb. 12 are from graph based on once-daily wire-weight gage readings.

07351749 CHEMARD LAKE NEAR EVELYN, LA--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1978 to current year (discontinued).

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	TEMPER-ATURE, WATER (DEG C)	COLOR (PLAT-INUM COBALT UNITS)	TUR-BID-ITY (JTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./100 ML)	STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARD-NESS (MG/L AS CACO3)	HARD-NESS, NONCAR-BONATE (MG/L CACO3)
OCT												
23...	1450	192	6.3	17.5	120	10	2.3	--	--	1200	50	0
JAN												
09...	0830	173	6.4	7.5	40	6	9.4	1.1	180	K200	37	18

DATE	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM AD-SORP-TION RATIO	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	BICAR-BONATE (MG/L AS HCO3)	CAR-BONATE (MG/L AS CO3)	ALKA-LINITY (MG/L AS CACO3)	CARBON DIOXIDE DIS-SOLVED (MG/L AS CO2)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)
OCT												
23...	10	6.1	14	49	.9	5.1	70	0	57	57	6.7	19
JAN												
09...	7.2	4.7	17	48	1.2	2.1	24	0	20	15	25	22

DATE	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L)	SOLIDS, DIS-SOLVED (TONS PER AC-FT)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS NO3)	PHOS-PHORUS, TOTAL (MG/L AS P)	PHOS-PHORUS TOTAL (MG/L AS PO4)
OCT											
23...	.1	11	117	106	.16	.10	.92	1.0	4.5	.160	.49
JAN											
09...	.1	15	113	105	.15	.03	.53	.56	2.5	.030	.09

DATE	ARSENIC DIS-SOLVED (UG/L AS AS)	ARSENIC TOTAL IN BOT-TOM MA-TERIAL (UG/G AS AS)	CADMIUM DIS-SOLVED (UG/L AS CD)	CADMIUM RECOV. FM BOT-TOM MA-TERIAL (UG/G AS CD)	CHRO-MIUM, RECOV. FM BOT-TOM MA-TERIAL (UG/G)	CHRO-MIUM, HEXA-VALENT, DIS. (UG/L AS CR)	COPPER, DIS-SOLVED (UG/L AS CU)	COPPER, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS CU)	IRON, DIS-SOLVED (UG/L AS FE)	IRON, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS FE)	LEAD, DIS-SOLVED (UG/L AS PB)	LEAD, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS PB)
OCT												
23...	1	9	<1	0	14	0	0	17	180	18000	0	25

DATE	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	MANGA-NESE, RECOV. FM BOT-TOM MA-TERIAL (UG/G)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	MERCURY RECOV. FM BOT-TOM MA-TERIAL (UG/G AS HG)	ZINC, DIS-SOLVED (UG/L AS ZN)	ZINC, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	PCB, TOTAL (UG/L)	PCB, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	NAPH-THA-LENES, POLY-CHLOR. TOTAL (UG/L)
OCT												
23...	5	730	.1	.05	<3	53	18	.00	7	.0	0	.00

< Actual value is known to be less than the value shown.

K Results based on colony count outside the acceptable range (non-ideal count).

07351749 CHEMARD LAKE NEAR EVELYN, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	PCN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	CHLOR-DANE, TOTAL (UG/L)	CHLOR-DANE, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	DDE, TOTAL (UG/L)	DDE, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	DI-AZINON, TOTAL (UG/L)
OCT												
23...	0	.00	.0	.0	0	.01	.4	.00	.2	.01	.0	.00

DATE	DI-AZINON, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	DI-ELDRIN TOTAL (UG/L)	DI-ELDRIN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	ENDO-SULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ENDRIN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	ETHION, TOTAL (UG/L)	ETHION, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	HEPTA-CHLOR, TOTAL (UG/L)	HEPTA-CHLOR, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	HEPTA-CHLOR EPOXIDE TOTAL (UG/L)	HEPTA-CHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)
OCT												
23...	.0	.02	.0	.00	.00	.0	.00	.0	.00	.0	.00	.0

DATE	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	MALA-THION, TOTAL (UG/L)	MALA-THION, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	METH-OXY-CHLOR, TOTAL (UG/L)	METH-OXY-CHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARA-THION, TOTAL (UG/L)	METHYL PARA-THION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRI-THION, TOTAL (UG/L)	METHYL TRI-THION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, TOTAL (UG/L)
OCT											
23...	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00

DATE	MIREX, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	PARA-THION, TOTAL (UG/L)	PARA-THION, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	PER-THANE TOTAL (UG/L)	TOX-APHENE, TOTAL (UG/L)	TOXA-PHENE, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	TOTAL TRI-THION (UG/L)	TRI-THION, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	2,4-D, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
OCT											
23...	.0	.00	.0	.00	0	0	.00	.0	.03	.00	.00

DATE	TIME	SUS-PENDED SEDI-MENT (MG/L)	SUS. SED. SIEVE DIAM. % FINER THAN .062 MM
OCT			
23...	1450	56	90
JAN			
09...	0830	18	94

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	INSTAN-TANEOUS DIS-CHARGE (CFS)	SUS-PENDED SEDI-MENT (MG/L)	SUS-PENDED SEDI-MENT DIS-CHARGE (T/DAY)	SUS. SED. SIEVE DIAM. % FINER THAN .062 MM
DEC				
14...	282	49	37	73
JAN				
22...	235	34	22	71
MAY				
04...	127	25	8.6	92

07352000 SALINE BAYOU NEAR LUCKY, LA

LOCATION.--Lat 32°15'00", long 92°58'35", in SW¼SW¼ sec.27, T.15 N., R.6 W., Bienville Parish, Hydrologic Unit 11140208, near center of span on downstream side of bridge on State Highway 4, 0.7 mi (1.1 km) downstream from Sixmile Creek, and 1.0 mi (1.6 km) east of Lucky.

DRAINAGE AREA.--154 mi^2 (399 km^2).

PERIOD OF RECORD.--June 1940 to current year.

REVISED RECORDS.--WSP 1177: Drainage area.

GAGE.--Duplex water-stage recorder (rain gage and water stage combination). Datum of gage is 152.65 ft (46.528 m) National Geodetic Vertical Datum of 1929. Prior to Feb. 28, 1949, nonrecording gage, Mar. 1, 1949, to Apr. 26, 1971, water-stage recorder, at same site and datum.

REMARKS.--Records fair. Records of dissolved oxygen and water temperatures for the water year 1980 are published under miscellaneous water-quality sites in this report.

AVERAGE DISCHARGE.--40 years, 165 ft^3/s (4.673 m^3/s), 14.55 in/yr (370 mm/yr), 119,500 acre-ft/yr (147 hm^3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 13,500 ft^3/s (382 m^3/s) Jan. 1, 1945, gage height, 12.9 ft (3.93 m), from rating curve extended above 6,400 ft^3/s (180 m^3/s) on basis of records for Black Lake Bayou near Castor and Dugdemona River near Jonesboro; minimum discharge, 2.4 ft^3/s (0.068 m^3/s) Aug. 14, 1954; minimum gage height, 1.66 ft (0.506 m) Aug. 7, 8, 1964.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 1,000 ft^3/s (28 m^3/s) and maximum (*):

Date	Time	Discharge (ft^3/s)	Discharge (m^3/s)	Gage height (ft)	Gage height (m)
Apr. 1	0400	1590	45.0	7.52	2.292
Apr. 14	1830	*3250	92.0	*8.69	2.649
May 18	1000	1440	40.8	7.37	2.246

Minimum discharge, 4.0 ft^3/s (0.11 m^3/s) Aug. 25, 26, gage height, 2.23 ft (0.680 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14	91	69	100	210	114	1390	144	53	16	8.8	5.6
2	12	66	67	94	202	166	928	135	48	14	8.4	5.2
3	11	48	63	102	174	195	592	135	42	13	7.6	4.8
4	11	36	62	111	145	170	313	124	38	12	7.2	4.7
5	10	30	63	106	137	139	250	117	33	11	7.0	4.6
6	11	27	62	100	139	127	210	106	29	11	7.0	4.6
7	10	25	60	91	139	119	183	89	27	10	6.8	4.7
8	11	25	56	83	152	115	159	79	24	9.8	6.6	5.0
9	10	32	56	79	254	118	146	72	23	9.6	6.4	5.2
10	10	39	56	76	450	127	131	69	22	9.2	6.2	5.8
11	11	40	57	94	526	120	122	64	21	9.0	6.2	6.4
12	11	36	97	91	568	121	266	58	18	8.8	6.2	6.0
13	11	37	154	86	480	132	996	64	17	8.4	6.0	5.4
14	11	35	185	83	274	193	2690	72	16	8.2	6.4	5.2
15	11	32	187	78	198	198	2240	85	16	7.8	6.8	4.8
16	11	31	146	76	172	189	1250	554	15	7.6	6.2	5.0
17	12	31	115	75	157	289	788	1040	14	7.4	6.0	4.7
18	14	31	97	76	143	395	465	1290	13	7.2	5.6	4.7
19	14	32	85	73	132	465	268	956	17	7.2	5.6	4.7
20	14	36	79	74	128	526	218	616	46	7.0	5.2	4.7
21	13	51	75	81	123	760	183	278	70	8.2	5.0	5.2
22	30	187	79	177	117	774	155	289	72	9.2	4.7	5.4
23	54	276	92	338	112	914	136	526	151	9.6	4.4	5.6
24	50	286	159	343	105	802	122	430	177	8.4	4.2	5.2
25	28	232	241	338	100	475	140	238	109	7.6	4.0	5.8
26	21	179	271	297	92	293	254	158	64	7.2	4.0	7.2
27	17	122	235	218	82	241	301	122	38	7.6	4.1	7.4
28	17	100	166	172	78	309	293	103	29	34	5.8	7.8
29	20	81	128	155	81	465	247	84	22	38	6.8	8.0
30	21	72	119	166	---	718	183	71	18	17	6.8	9.8
31	91	---	109	191	---	994	---	61	---	10	6.2	---
TOTAL	592	2352	3492	4224	5670	10763	15619	8229	1282	351.0	188.2	169.2
MEAN	19.1	78.4	113	136	196	347	521	265	42.7	11.3	6.07	5.64
MAX	91	288	271	343	568	994	2690	1290	177	38	8.8	9.8
MIN	10	25	56	73	78	114	122	58	13	7.0	4.0	4.6
CFSM	.12	.51	.73	.88	1.27	2.25	3.38	1.72	.28	.07	.04	.04
IN.	.14	.57	.84	1.02	1.37	2.60	3.77	1.99	.31	.08	.05	.04
AC-FT	1170	4670	6930	8380	11250	21350	30980	16320	2540	696	373	336
(‡‡)	2.81	3.23	2.60	3.52	2.05	5.24	5.62	5.34	2.14	1.73	.17	.53

CAL YR 1979 TOTAL 94423.6 MEAN 259 MAX 4970 MIN 7.6 CFSM 1.68 IN 22.81 AC-FT 187300
WTR YR 1980 TOTAL 52931.4 MEAN 145 MAX 2690 MIN 4.0 CFSM .94 IN 12.79 AC-FT 105000

NOTE.--‡‡ Precipitation, in inches, during month at rain gage at station. Total for calendar year 1979, 51.46 inches; total for water year 1980, 34.98 inches.

07352000 SALINE BAYOU NEAR LUCKY, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.66	4.22	3.86	4.34	5.48	4.54	7.37	4.93	3.56	2.68	2.44	2.35
2	2.62	3.82	3.84	4.26	5.44	5.14	6.92	4.83	3.46	2.63	2.41	2.33
3	2.58	3.48	3.75	4.37	5.19	5.38	6.50	4.83	3.34	2.58	2.39	2.31
4	2.56	3.24	3.74	4.50	4.94	5.17	6.02	4.69	3.23	2.57	2.37	2.30
5	2.54	3.10	3.75	4.43	4.85	4.88	5.73	4.58	3.13	2.54	2.36	2.28
6	2.58	3.02	3.74	4.35	4.68	4.73	5.49	4.43	3.04	2.52	2.36	2.28
7	2.54	2.98	3.70	4.22	4.88	4.61	5.26	4.18	2.98	2.48	2.35	2.29
8	2.55	2.98	3.68	4.10	5.02	4.56	5.09	4.03	2.91	2.47	2.35	2.30
9	2.54	3.15	3.64	4.03	5.74	4.60	4.95	3.90	2.88	2.46	2.34	2.31
10	2.53	3.30	3.64	3.99	6.29	4.72	4.77	3.85	2.85	2.44	2.33	2.33
11	2.55	3.34	3.66	4.26	6.41	4.63	4.65	3.75	2.81	2.43	2.33	2.36
12	2.58	3.24	4.30	4.21	6.47	4.64	5.76	3.66	2.75	2.42	2.33	2.34
13	2.58	3.25	5.04	4.15	6.34	4.79	6.96	3.76	2.72	2.40	2.33	2.30
14	2.56	3.22	5.25	4.10	5.85	5.29	6.33	3.90	2.68	2.39	2.35	2.29
15	2.56	3.15	5.30	4.01	5.40	5.40	8.07	4.09	2.67	2.38	2.36	2.27
16	2.57	3.13	4.96	3.99	5.18	5.33	7.24	6.32	2.65	2.37	2.34	2.27
17	2.61	3.12	4.56	3.97	5.07	5.93	6.75	7.03	2.63	2.36	2.33	2.25
18	2.66	3.14	4.30	3.99	4.92	6.20	6.31	7.28	2.60	2.35	2.32	2.25
19	2.66	3.16	4.13	3.94	4.79	6.31	5.83	6.95	2.72	2.35	2.32	2.24
20	2.67	3.28	4.03	3.95	4.74	6.42	5.53	6.53	3.43	2.34	2.30	2.24
21	2.65	3.53	3.96	4.06	4.67	6.72	5.28	5.88	3.86	2.40	2.29	2.27
22	3.09	5.30	4.04	5.21	4.59	6.74	5.05	5.93	3.90	2.45	2.28	2.27
23	3.60	5.86	4.23	6.10	4.51	6.90	4.84	6.41	5.01	2.47	2.26	2.28
24	3.53	5.81	5.09	6.11	4.42	6.77	4.66	6.26	5.20	2.41	2.25	2.26
25	3.06	5.62	5.67	6.10	4.34	6.33	4.89	5.66	4.45	2.37	2.23	2.28
26	2.87	5.24	5.82	5.95	4.23	5.92	5.75	5.06	3.76	2.36	2.23	2.35
27	2.80	4.66	5.64	5.52	4.09	5.66	5.97	4.66	3.24	2.38	2.25	2.36
28	2.80	4.34	5.14	5.18	4.02	6.01	5.94	4.39	3.02	3.16	2.35	2.37
29	2.84	4.07	4.74	5.05	4.07	6.31	5.71	4.11	2.84	3.26	2.40	2.38
30	2.90	3.92	4.61	5.14	---	6.67	5.26	3.88	2.74	2.74	2.40	2.46
31	4.21	---	4.47	5.32	---	6.99	---	3.71	---	2.50	2.37	---
MEAN	2.78	3.79	4.40	4.61	5.06	5.62	5.90	4.95	3.24	2.51	2.33	2.31
MAX	4.21	5.86	5.82	6.11	6.47	6.99	8.33	7.28	5.20	3.26	2.44	2.46
MIN	2.53	2.98	3.64	3.94	4.02	4.54	4.65	3.66	2.60	2.34	2.23	2.24

07352800 GRAND BAYOU NEAR COUSHATTA, LA

LOCATION.--Lat 32°02'55", long 93°18'10", in SW¼SW¼ sec.4, T.12 N., R.9 W., Red River Parish, Hydrologic Unit 11140209, near right bank on downstream side of bridge on State Highway 155, 0.5 mi (0.8 km) upstream from Carrol Creek, and 3.3 mi (5.3 km) north of Coushatta.

DRAINAGE AREA.--93.9 mi^3 (243 km^2).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1956 to September 1977. June 1979 to current year.

GAGE.--Water-stage recorder. Datum of gage is 136.26 ft (41.532 m) National Geodetic Vertical Datum of 1929.

REMARKS.--Records good. Records of dissolved oxygen and water temperatures for the water year 1980 are published under miscellaneous water-quality sites in this report.

AVERAGE DISCHARGE.--22 years (water years 1957-77, 1980), 91.0 ft^3/s (2.577 m^3/s), 13.16 in/yr (334 mm/yr), 65,900 acre-ft/yr (81.3 hm^3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 7,920 ft^3/s (224 m^3/s) Sept. 21, 1958, gage height, 11.47 ft (3.496 m); no flow at times most years.

EXTREMES FOR CURRENT PERIOD.--June to September 1979: Maximum discharge, 24.0 ft^3/s (0.67 m^3/s) July 7, gage height, 2.20 ft (0.671 m); minimum daily discharge, 0.02 ft^3/s (0.001 m^3/s) July 5.

Water Year 1980: Peak discharges above base of 700 ft^3/s (20 m^3/s) and maximum (*):

Date	Time	Discharge (ft^3/s(	Discharge (m^3/s)	Gage height (ft)	Gage height (m)	Date	Time	Discharge (ft^3/s)	Discharge (m^3/s)	Gage height (ft)	Gage height (m)
Mar. 22	1940	776	22.0	8.01	2.441	Apr. 14	0100	2720	77.0	9.53	2.905
Mar. 28	1730	1530	43.3	8.77	2.673	May 17	0300	*3450	97.7	*9.93	3.027

Minimum discharge, no flow many days.

DISCHARGE, IN CUBIC FEET PER SECOND, JUNE TO SEPTEMBER 1979

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1									---	.06	.35	.50
2									---	.04	.30	.50
3									---	.04	.30	1.4
4									---	.04	.30	8.0
5									---	.02	.25	10
6									---	.45	.25	6.3
7									---	11	.30	3.7
8									---	11	.25	1.8
9									---	4.9	.15	1.0
10									---	1.9	.15	.65
11									---	1.0	.10	.35
12									---	.75	.10	.15
13									---	.65	.10	.10
14									3.2	.55	.30	.06
15									2.7	.65	.25	.04
16									2.1	.40	.30	.03
17									1.7	.30	.25	.03
18									1.4	.25	.30	.06
19									1.2	.20	.25	.06
20									1.0	.15	.20	1.4
21									.90	.20	.20	2.5
22									.75	.20	.25	1.7
23									.70	.20	.15	6.9
24									.65	.20	.10	4.9
25									.60	.20	.15	3.0
26									.50	.70	.10	1.6
27									.50	.45	.10	.90
28									.40	.90	.15	.50
29									.30	.80	.45	.20
30									.15	.50	.60	.10
31									---	.40	.45	---
TOTAL									---	39.10	7.45	58.43
MEAN									---	1.26	.24	1.95
MAX									---	11	.60	10
MIN									.15	.02	.10	.03
CFSM									---	.01	.003	.02
IN.									---	.02	.00	.02
AC-FT									---	78	15	116

07352800 GRAND BAYOU NEAR COUSHATTA, LA--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.04	.70	4.3	11	167	12	300	29	5.8	.90	.13	.02
2	.03	.85	4.3	9.6	158	24	250	122	4.9	.75	.16	.02
3	.02	.70	3.1	9.6	104	48	210	378	4.2	.70	.12	.01
4	.02	.50	3.1	17	57	41	200	421	3.4	.55	.09	.00
5	.02	.45	2.9	29	37	27	125	144	2.6	.45	.09	.00
6	.02	.40	2.2	24	29	22	72	39	2.2	.40	.08	.00
7	.02	.30	1.8	17	26	20	42	22	2.0	.30	.07	.00
8	.02	.30	1.5	13	27	22	30	16	1.8	.20	.07	.00
9	.02	.55	1.3	11	77	22	24	13	1.5	.15	.07	.00
10	.02	.45	1.2	9.4	370	20	20	11	1.2	.10	.06	.00
11	.02	.35	1.1	8.6	491	18	17	9.1	1.1	.09	.04	.00
12	.02	.70	1.9	8.0	539	16	346	7.9	.96	.11	.21	.00
13	.02	4.8	3.0	7.6	504	19	1810	7.2	.91	.08	.62	.00
14	.01	.60	5.0	9.4	344	35	2340	7.1	.79	.04	.20	.00
15	.00	.03	9.0	8.8	129	30	1370	20	.72	.04	.15	.00
16	.00	.85	15	7.6	71	36	850	1800	.66	.03	.13	.00
17	.00	.95	16	6.8	53	160	576	3050	.58	.03	.13	.00
18	.00	.75	15	6.5	42	272	325	1750	1.0	.03	.04	.00
19	.02	.06	12	8.7	36	216	150	914	2.4	.02	.02	.00
20	.01	.01	9.0	8.8	32	281	103	604	2.0	.02	.01	.00
21	.00	3.3	6.9	9.5	29	591	68	330	1.8	.10	.01	.00
22	.80	98	9.7	92	24	715	38	80	1.5	.13	.00	.00
23	.02	201	14	404	21	717	24	90	2.0	.09	.00	.00
24	.02	188	84	440	18	586	18	108	2.5	.06	.00	.00
25	.02	115	160	488	15	291	86	44	3.0	.05	.00	.00
26	.02	34	149	443	14	115	359	22	2.5	.05	.00	.01
27	.02	15	68	262	12	125	377	16	2.1	.16	.01	.01
28	.03	8.1	26	96	11	1210	321	13	1.1	.44	.01	.01
29	.03	5.9	16	64	10	1190	171	10	1.0	.20	.02	.01
30	.15	4.8	13	58	---	820	53	8.3	1.0	.09	.07	.01
31	.85	---	12	103	---	450	---	6.7	---	.06	.05	---
TOTAL	2.29	687.60	671.3	2690.9	3447	8151	10675	10092.3	59.22	6.42	2.66	.10
MEAN	.074	22.9	21.7	86.8	119	263	356	326	1.97	.21	.086	.003
MAX	.85	201	160	488	539	1210	2340	3050	5.8	.90	.62	.02
MIN	.00	.01	1.1	6.5	10	12	17	6.7	.58	.02	.00	.00
CFSM	.001	.24	.23	.92	1.27	2.80	3.79	3.47	.02	.002	.001	.000
IN.	.00	.27	.27	1.07	1.37	3.23	4.23	4.00	.02	.00	.00	.00
AC-FT	4.5	1360	1330	5340	6840	16170	21170	20020	117	13	5.3	.2

WTR YR 1980 TOTAL 36485.79 MEAN 99.7 MAX 3050 MIN .00 CFSM 1.06 IN 14.45 AC-FT 72370

07352800 GRAND BAYOU NEAR COUSHATTA, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), JUNE TO SEPTEMBER 1979

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1									---	.56	---	.60
2									---	.55	---	.60
3									---	.55	---	.72
4									---	.55	.56	1.43
5									---	.53	.57	1.57
6									---	.60	.56	1.28
7									---	1.61	.57	1.02
8									---	1.65	.56	.82
9									---	1.19	.54	.70
10									---	.88	.54	.62
11									---	.75	.53	.57
12									---	.70	.53	.53
13									---	.67	.52	.52
14									1.02	.66	.55	.51
15									.97	.68	.55	.50
16									.91	.63	.56	.49
17									.86	.61	.55	.49
18									.81	.60	.56	.51
19									.78	.59	.55	.50
20									.76	.57	.54	.75
21									.73	.58	.54	.90
22									.70	.58	.55	.81
23									.69	.58	.53	1.33
24									.68	.58	.52	1.14
25									.67	.58	.53	.94
26									.65	.66	.52	.80
27									.65	.62	.52	.68
28									.63	.71	.52	.59
29									.61	.69	.59	.54
30									.58	.63	.62	.52
31									---	.61	.59	---
MEAN									---	.71	---	.77
MAX									---	1.65	.62	1.57
MIN									.58	.53	.52	.49

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.52	.64	1.08	1.76	4.87	1.69	---	2.55	1.23	---	.43	.36
2	.49	.67	1.08	1.65	4.75	2.35	---	4.06	1.14	---	.43	.35
3	.48	.64	.96	1.65	3.98	3.03	---	6.83	1.07	.62	.42	.32
4	.48	.60	.96	2.09	3.21	2.89	---	7.05	.99	.59	.42	.29
5	.47	.59	.94	2.63	2.82	2.50	4.30	4.45	.91	.57	.42	.27
6	.47	.58	.87	2.44	2.61	2.30	3.44	2.79	.87	.55	.41	.25
7	.47	.56	.82	2.13	2.50	2.17	2.91	2.22	.84	.53	.40	.26
8	.47	.56	.77	1.91	2.53	2.27	2.61	1.90	.83	.51	.40	.25
9	.47	.61	---	1.73	3.42	2.27	2.40	1.69	.78	.49	.40	.24
10	.47	.59	---	1.63	6.68	2.18	2.16	1.55	.74	.48	.40	.24
11	.47	.57	---	1.59	7.37	2.08	2.00	1.45	.71	---	.39	.24
12	.48	.64	---	1.54	7.52	1.96	6.19	1.37	.69	.46	.41	.23
13	.48	1.06	---	1.52	7.41	2.12	8.97	1.31	.68	.45	.51	.21
14	.46	.65	---	1.63	6.56	2.73	9.32	1.30	.66	.44	.43	.20
15	.45	.49	---	1.60	4.33	2.60	8.64	2.16	.64	.43	.42	.19
16	.45	.61	---	1.51	3.43	2.74	8.11	8.87	.63	.43	.42	.18
17	.45	.69	---	1.44	3.13	4.72	7.60	9.71	.62	---	.42	.17
18	.45	.65	---	1.41	2.93	5.97	6.39	8.91	.66	---	.38	.18
19	.47	.51	---	1.58	2.78	5.40	4.65	8.19	.87	---	.35	.20
20	.46	.46	---	1.60	2.68	5.70	3.96	7.67	.84	---	.35	.28
21	.45	.78	1.34	1.64	2.56	7.65	3.38	6.37	---	---	.34	.30
22	.64	3.83	1.55	3.34	2.37	7.90	2.82	3.57	---	.44	.32	.28
23	.48	5.25	1.83	7.02	2.23	7.91	2.40	3.74	---	.43	.32	.25
24	.47	5.11	3.63	7.19	2.08	7.62	2.09	4.04	---	.42	.29	.22
25	.47	4.14	4.78	7.36	1.93	6.09	3.20	2.91	---	.42	.26	.22
26	.47	2.65	4.63	7.19	1.81	4.15	6.76	2.28	---	.42	.27	.29
27	.48	1.91	3.40	5.83	1.73	4.08	6.88	1.98	---	.43	.34	.30
28	.49	1.43	2.50	3.85	1.64	8.42	6.44	1.74	.71	.49	.35	.30
29	.49	1.25	2.09	3.32	1.57	8.49	4.85	1.58	---	.44	.36	.30
30	.53	1.13	1.90	3,23	---	8.07	3.12	1.46	---	.42	.38	.29
31	.67	---	1.84	3.95	---	---	---	1.32	---	.41	.38	---
MEAN	.49	1.33	---	2.87	3.57	---	---	3.77	---	---	.38	.26
MAX	.67	5.25	4.78	7.36	7.52	8.49	9.32	9.71	1.23	---	.51	
MIN	.45	.46	---	1.41	1.57	1.69	2.00	1.30	.62	---	.26	

07352800 GRAND BAYOU NEAR COUSHATTA, LA--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1979 to current year (discontinued).

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE, WATER (DEG C)	COLOR (PLATINUM COBALT UNITS)	TURBIDITY (JTU)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARDNESS (MG/L AS CACO3)
OCT 10...	1115	118	6.1	15.0	40	4	5.0	42	--	K50	480	34
NOV 06...	1500	100	6.1	15.0	70	4	2.6	38	3.0	K40	220	25
DEC 04...	1315	140	5.8	9.5	100	7	6.5	44	2.1	K70	K70	22
JAN 09...	1100	263	6.2	8.0	100	10	8.6	--	.9	K45	K20	30
FEB 12...	1100	88	5.7	5.0	100	15	12.2	46	--	K1300	1100	15
MAR 12...	1300	204	6.3	16.0	70	5	8.2	35	1.8	K10	310	34
APR 22...	1400	98	6.0	18.5	30	10	6.7	28	1.6	K25	100	19
MAY 06...	1300	102	5.8	20.5	70	15	6.3	42	1.6	K56	96	18
JUN 03...	1200	130	6.5	26.0	70	6	2.6	--	1.5	K60	350	28
JUL 08...	1230	141	5.9	27.5	40	3	2.5	51	3.6	K60	660	37
AUG 05...	1230	159	6.9	28.0	40	5	8.2	50	5.5	560	700	40
SEP 03...	1400	144	6.1	28.0	70	70	6.0	43	5.4	--	1300	54

DATE	HARDNESS, NONCARBONATE (MG/L CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM ADSORPTION RATIO	POTASSIUM, DISSOLVED (MG/L AS K)	BICARBONATE (MG/L AS HCO3)	CARBONATE (MG/L AS CO3)	ALKALINITY (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)
OCT 10...	0	8.7	2.8	7.3	30	.6	3.6	53	0	43	.2	8.2
NOV 06...	0	5.7	2.6	7.4	35	.6	3.4	41	0	34	4.6	8.2
DEC 04...	7	4.9	2.4	16	56	1.5	4.5	19	0	16	11	26
JAN 09...	22	6.6	3.4	35	69	2.8	3.4	10	0	8	13	62
FEB 12...	10	3.5	1.5	10	55	1.1	2.1	6	0	5	8.5	18
MAR 12...	17	7.4	3.7	28	63	2.1	2.2	20	0	16	17	40
APR 22...	8	4.1	2.0	11	54	1.1	1.8	13	0	11	9.2	17
MAY 06...	7	4.1	1.9	11	54	1.1	1.6	13	0	11	7.3	17
JUN 03...	6	6.5	2.8	13	48	1.1	2.3	26	0	21	3.4	20
JUL 08...	0	8.9	3.6	9.0	32	.6	3.8	45	0	37	2.5	20
AUG 05...	0	10	3.6	9.8	33	.7	2.4	61	0	50	1.5	7.3
SEP 03...	0	11	6.4	10	27	.6	3.0	77	0	63	.0	5.8

K Results based on colony count outside the acceptable range (non-ideal count).

07352800 GRAND BAYOU NEAR COUSHATTA, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	FLUORIDE, DISSOLVED (MG/L AS F)	SILICA, DISSOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN,AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS NO3)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, TOTAL (MG/L AS PO4)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 10...	.1	6.9	83	64	.02	1.0	1.0	4.5	.070	.21	--
NOV 06...	.1	17	78	69	.03	.68	.71	3.1	.100	.31	10
DEC 04...	.1	8.7	94	83	.07	.77	.84	3.7	.060	.18	16
JAN 09...	.1	11	167	139	.04	.87	.91	4.0	.050	.15	13
FEB 12...	.0	5.8	70	52	.10	.80	.90	4.0	.050	.15	11
MAR 12...	.1	8.2	137	117	.05	.96	1.0	4.5	.080	.25	17
APR 22...	.1	9.1	85	60	.12	1.1	1.2	5.4	.070	.21	14
MAY 06...	.1	9.2	88	58	.18	1.0	1.2	5.2	.070	.21	12
JUN 03...	.0	11	97	72	.19	1.1	1.3	5.7	.110	.34	15
JUL 08...	.3	11	158	81	.04	1.5	1.5	6.8	.070	.21	16
AUG 05...	.1	9.9	106	75	.00	.76	.76	3.4	.180	.55	12
SEP 03...	.2	14	107	98	.00	2.7	2.7	12	.210	.64	13

DATE	ARSENIC DISSOLVED (UG/L AS AS)	ARSENIC TOTAL IN BOTTOM MATERIAL (UG/G AS AS)	BARIUM, DISSOLVED (UG/L AS BA)	BARIUM, RECOV. FM BOTTOM MATERIAL (UG/G AS BA)	CADMIUM DISSOLVED (UG/L AS CD)	CADMIUM RECOV. FM BOTTOM MATERIAL (UG/G AS CD)	CHROMIUM, DISSOLVED (UG/L AS CR)	CHROMIUM, RECOV. FM BOTTOM MATERIAL (UG/G)	COPPER, DISSOLVED (UG/L AS CU)	COPPER, RECOV. FM BOTTOM MATERIAL (UG/G AS CU)	IRON, DISSOLVED (UG/L AS FE)	IRON, RECOV. FM BOTTOM MATERIAL (UG/G AS FE)
OCT 10...	2	0	70	150	<1	0	0	3	4	2	210	2400
APR 22...	1	--	50	--	<1	--	0	--	6	--	380	--
JUL 08...	2	--	100	--	2	--	20	--	5	--	470	--
SEP 03...	--	--	--	--	--	--	--	--	--	--	520	--

DATE	LEAD, DISSOLVED (UG/L AS PB)	LEAD, RECOV. FM BOTTOM MATERIAL (UG/G AS PB)	MANGANESE, DISSOLVED (UG/L AS MN)	MANGANESE, RECOV. FM BOTTOM MATERIAL (UG/G)	MERCURY DISSOLVED (UG/L AS HG)	MERCURY RECOV. FM BOTTOM MATERIAL (UG/G AS HG)	SELENIUM, DISSOLVED (UG/L AS SE)	SELENIUM, TOTAL IN BOTTOM MATERIAL (UG/G)	STRONTIUM, DISSOLVED (UG/L AS SR)	STRONTIUM, RECOV. FM BOTTOM MATERIAL (UG/G)	ZINC, DISSOLVED (UG/L AS ZN)	ZINC, RECOV. FM BOTTOM MATERIAL (UG/G AS ZN)
OCT 10...	1	40	2900	200	.0	.00	0	0	190	13	20	4
APR 22...	6	--	130	--	.0	--	0	--	80	--	10	--
JUL 08...	3	--	5700	--	.2	--	0	--	240	--	20	--
SEP 03...	--	--	9400	--	--	--	--	--	--	--	--	--

< Actual value is known to be less than the value shown.

07352800 GRAND BAYOU NEAR COUSHATTA, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	PCB, TOTAL (UG/L)	PCB, TOTAL IN BOTTOM MATERIAL (UG/KG)	NAPHTHALENES, POLYCHLOR. TOTAL (UG/L)	PCN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	CHLORDANE, TOTAL (UG/L)	CHLORDANE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDE, TOTAL (UG/L)	DDE, TOTAL IN BOTTOM MATERIAL (UG/KG)
OCT 10...	.0	1	.00	.0	.000	.0	.0	7	.000	1.3	.000	.8
APR 22...	.0	--	.00	--	.000	--	.0	--	.000	--	.000	--

DATE	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIAZINON, TOTAL (UG/L)	DIAZINON, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIELDRIN TOTAL (UG/L)	DIELDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDOSULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ENDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ETHION, TOTAL (UG/L)	ETHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR, TOTAL (UG/L)
OCT 10...	.000	.0	.00	.0	.000	.0	.000	.000	.0	.00	.0	.000
APR 22...	.000	--	.00	--	.000	--	.000	.000	--	.00	--	.000

DATE	HEPTACHLOR, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR EPOXIDE TOTAL (UG/L)	HEPTACHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOTTOM MATERIAL (UG/KG)	MALATHION, TOTAL (UG/L)	MALATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	METHOXYCHLOR, TOTAL (UG/L)	METHOXYCHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARATHION, TOTAL (UG/L)	METHYL PARATHION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRITHION, TOTAL (UG/L)
OCT 10...	.0	.000	.0	.000	.0	.00	.0	.00	.0	.00	.0	.00
APR 22...	--	.000	--	.000	--	.00	--	.00	--	.00	--	.00

DATE	METHYL TRITHION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, TOTAL (UG/L)	MIREX, TOTAL IN BOTTOM MATERIAL (UG/KG)	PARATHION, TOTAL (UG/L)	PARATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	PERTHANE TOTAL (UG/L)	TOXAPHENE, TOTAL (UG/L)	TOXAPHENE, TOTAL IN BOTTOM MATERIAL (UG/KG)	TOTAL TRITHION (UG/L)	TRITHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	2,4-D, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)
OCT 10...	.0	.00	.0	.00	.0	.00	.0	0	.00	.0	.00	.00
APR 22...	--	.00	--	.00	--	.00	.0	--	.00	--	.02	.00

07352800 GRAND BAYOU NEAR COUSHATTA, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	SILVEX, TOTAL (UG/L)	SEDI-MENT, SUS-PENDED (MG/L)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT			
10...	.00	52	61
NOV			
06...	--	44	74
JAN			
09...	--	36	94
FEB			
12...	--	37	95
MAR			
12...	--	28	86
14...	--	57	96
20...	--	69	94
22...	--	84	87
24...	--	56	98
26...	--	47	96
28...	--	93	99
30...	--	101	94
APR			
01...	--	36	96
03...	--	40	90
12...	--	26	85
14...	--	40	97
15...	--	41	88
21...	--	33	98
22...	.00	24	92
25...	--	37	97
29...	--	36	97
MAY			
05...	--	26	85
06...	--	33	97
10...	--	23	83
15...	--	30	77
17...	--	30	82
20...	--	26	77
JUN			
03...	--	30	95
JUL			
08...	--	39	87
AUG			
05...	--	29	99
SEP			
03...	--	38	66

07352895 BLACK LAKE BAYOU NEAR CLARENCE, LA

LOCATION.--Lat 31°52'24", long 92°58'00", in NW¼SE¼ sec.3, T.10 N., R.6 W., Natchitoches Parish, Hydrologic Unit 11140209, on downstream side of bridge on parish road, 1.8 mi (2.9 km) northeast of Chivery Dam, 2.8 mi (4.5 km) upstream from Allen Dam, and 5.0 mi (8.0 km) northeast of Clarence.

DRAINAGE AREA.--908 mi² or 2,352 km² (see REMARKS).

PERIOD OF RECORD.--December 1969 to current year (gage heights only).

GAGE.--Water-stage recorder. Datum of gage is 94.49 ft (28.801 m) National Geodetic Vertical Datum of 1929.

REMARKS.--Drainage area does not include 412 mi² (1,067 km²) of Saline Lake. Flows are interchangeable between Black and Saline Lakes, combined usable capacity, 161,000 acre-ft (198 hm³). Considerable regulation by Allen and Chivery Dams. Lakes are used for recreation.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 12.88 ft (3.926 m) Jan. 30, 1974; minimum not determined.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 7.80 ft (2.377 m) Apr. 19; minimum, not determined.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
INSTANTANEOUS OBSERVATIONS AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	.71	4.29	6.61	5.56	4.76	3.69	2.98	2.87
2	---	---	---	---	.99	4.22	6.72	5.53	4.61	3.72	2.96	2.87
3	---	---	---	---	1.29	4.14	6.93	5.51	4.46	3.70	2.95	2.87
4	---	---	---	---	1.55	4.13	7.04	5.50	4.35	3.64	2.94	2.88
5	---	---	---	---	1.75	4.16	7.02	5.47	4.23	3.60	2.92	2.88
6	---	---	---	---	1.96	4.12	6.88	5.40	4.12	3.56	2.90	2.87
7	---	---	---	---	2.10	4.12	6.65	5.26	4.03	3.54	2.89	2.88
8	---	---	---	---	2.25	4.13	6.42	5.11	3.96	3.52	2.88	2.88
9	---	---	---	---	2.67	4.13	6.12	4.95	3.89	3.48	2.88	2.89
10	---	---	---	---	3.12	4.12	5.86	4.79	3.82	3.46	2.87	2.99
11	---	---	---	---	3.47	4.11	5.61	4.66	3.76	3.40	2.88	2.90
12	---	---	---	---	3.77	4.10	5.81	4.52	3.70	3.36	2.89	2.90
13	---	---	---	---	4.03	4.13	6.11	4.46	3.65	3.34	2.90	2.90
14	---	---	---	---	4.27	4.03	6.56	4.37	3.61	3.32	2.89	2.90
15	---	---	---	---	4.45	4.02	7.03	4.29	3.56	3.30	2.88	2.89
16	---	---	---	---	4.58	4.00	7.36	4.84	3.52	3.28	2.87	2.89
17	---	---	---	---	4.62	4.22	7.50	5.45	3.50	3.26	2.86	2.89
18	---	---	---	---	4.68	4.30	7.69	6.18	3.46	3.24	2.87	2.99
19	---	---	---	---	4.71	4.40	7.80	6.70	3.43	3.20	2.88	2.88
20	---	---	---	---	4.76	4.48	7.75	6.87	3.54	3.18	2.88	2.88
21	---	---	---	---	4.75	4.94	7.53	6.80	3.59	3.16	2.87	2.88
22	---	---	---	---	4.73	5.15	7.20	6.74	3.60	3.14	2.87	2.88
23	---	---	---	---	4.66	5.33	6.80	6.60	3.64	3.12	2.88	2.88
24	---	---	---	---	4.60	5.55	6.40	6.40	3.66	3.10	2.87	2.86
25	---	---	---	---	4.52	5.63	6.08	6.19	3.66	3.08	2.87	2.86
26	---	---	---	---	4.42	5.68	6.42	5.99	3.67	3.06	2.86	2.84
27	---	---	---	---	4.34	5.66	6.26	5.77	3.66	3.05	2.86	2.82
28	---	---	---	---	4.27	5.99	6.08	5.55	3.67	3.04	2.86	2.82
29	---	---	---	---	4.21	6.19	5.90	5.34	3.66	3.02	2.86	2.82
30	---	---	---	---	---	6.53	5.73	5.13	3.68	3.00	2.86	2.81
31	---	---	---	.45	---	6.60	---	4.94	---	2.99	2.87	---
MEAN	---	---	---	---	3.53	4.73	6.66	5.51	3.82	3.31	2.89	2.88
MAX	---	---	---	.45	4.76	6.60	7.80	6.87	4.76	3.72	2.98	2.99
MIN	---	---	---	---	.71	4.00	5.61	4.29	3.43	2.99	2.86	2.81

NOTE.--Less than 0.37 ft, lowest recordable stage Oct. 1 to Jan. 30.
Gage heights for July 3 to Sept. 30 are observations at 0800 by observer from nonrecording gage.

07353000 SALINE BAYOU NEAR CLARENCE, LA

LOCATION.--Lat 31°49'05", long 92°56'55", in SE¼ sec.26, T.10 N., R.6 W., Natchitoches-Winn Parish line, Hydrologic Unit 11140208, near center of span on downstream side of bridge on U.S. Highway 84, 1.8 mi (2.9 km) downstream from Bayou Bourbeaux, 4.0 mi (6.4 km) downstream from Allen Dam, 4.6 mi (7.4 km) east of Clarence, and 6.7 mi (10.8 km) upstream from mouth.

DRAINAGE AREA.--1,386 mi^2 (3,590 km^2).

PERIOD OF RECORD.--October 1949 to December 1973. January 1974 to current year (gage heights only).

GAGE.--Water-stage recorder. Datum of gage is 72.75 ft (22.174 m) National Geodetic Vertical Datum of 1929 (levels by Louisiana Department of Transportation and Development, Office of Public Works). Prior to Nov. 2, 1954, nonrecording gage at same site and datum. Water-stage recorder for Black Lake Bayou near Clarence (station 07352895) used as supplementary gage for this station December 1969 to December 1973. Prior to Nov. 3, 1954, auxiliary nonrecording gage; Nov. 3, 1954, to Dec. 3, 1969, auxiliary water-stage recorder; and Mar. 1 to Dec. 31, 1975, auxiliary nonrecording gage 5.3 mi (8.5 km) downstream at datum 72.97 ft (22.241 m) National Geodetic Vertical Datum of 1929.

AVERAGE DISCHARGE.--24 years (water years 1950-73), 1,182 ft^3/s (33.47 m^3/s), 856,400 acre-ft/yr (1.06 km^3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 14,200 ft^3/s (402 m^3/s) May 19, 1953; maximum daily reverse flow, 6,570 ft^3/s (186 m^3/s) May 11, 1958 (backwater from Red River); maximum gage height, 40.46 ft (12.322 m) May 21, 1953; minimum discharge (unaffected by backwater), 0.75 ft^3/s (0.021 m^3/s) Oct. 12, 22, 1972.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of April 1944 reached a stage of 43.6 ft (13.3 m), from information by local resident.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 24.60 ft (7.498 m) Apr. 19; minimum, 1.00 ft (0.305 m) Sept. 29, 30.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
INSTANTANEOUS OBSERVATIONS AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12.68	6.48	8.07	12.70	14.32	---	22.14	17.17	13.46	---	1.34	1.33
2	12.60	6.47	8.00	12.74	13.70	---	22.03	16.82	12.58	---	1.22	1.38
3	12.40	4.05	7.93	13.31	12.96	---	22.65	16.92	12.12	---	1.23	1.41
4	11.73	4.09	7.85	13.23	12.15	---	22.79	16.82	12.15	---	1.27	1.63
5	11.51	4.11	7.74	13.49	11.99	---	22.66	16.65	12.24	---	1.19	2.16
6	10.79	4.15	7.66	13.37	15.84	---	22.27	16.35	13.36	---	1.06	1.97
7	10.64	4.15	5.24	12.00	16.94	9.44	21.74	15.82	13.98	---	1.10	4.14
8	10.49	4.13	5.12	12.14	---	9.24	20.82	15.11	13.56	---	1.30	4.78
9	9.29	4.08	5.07	11.71	---	9.08	19.27	14.37	12.81	---	1.44	5.08
10	9.18	4.07	5.03	10.73	---	9.02	17.98	13.52	12.92	---	1.83	4.93
11	9.53	4.13	4.99	10.28	---	8.98	16.71	12.73	13.73	---	2.36	4.70
12	9.38	4.49	5.05	10.00	---	8.84	18.03	12.07	13.42	---	2.16	4.32
13	9.21	4.77	10.32	9.68	---	8.94	19.60	11.70	12.51	---	1.98	3.92
14	5.36	4.68	10.07	9.21	---	8.40	22.09	11.23	11.94	---	1.68	3.22
15	5.18	4.55	9.91	8.89	---	8.01	23.27	10.86	11.46	---	1.45	3.24
16	5.03	4.54	9.82	6.57	---	7.67	23.91	14.44	10.83	2.57	1.31	2.97
17	4.94	4.54	9.76	6.14	---	9.44	24.08	17.77	9.91	2.43	1.24	2.66
18	4.88	4.41	9.73	5.88	---	9.86	24.36	21.15	9.20	2.31	1.22	2.41
19	3.70	4.16	9.77	5.54	---	10.41	24.54	23.13	8.84	2.43	1.26	2.27
20	3.70	3.93	8.59	5.28	---	11.65	24.43	23.39	---	2.94	1.20	2.14
21	3.60	3.35	8.66	5.21	---	13.83	24.05	23.10	---	3.44	1.48	1.93
22	3.73	3.73	10.01	5.39	---	14.99	23.40	23.07	---	3.47	1.31	1.81
23	3.71	8.15	9.88	7.89	---	15.81	22.54	22.84	---	3.35	1.22	1.77
24	3.77	8.42	9.01	10.88	---	16.67	21.51	22.55	---	3.13	1.17	1.58
25	3.71	8.65	9.05	13.18	---	17.05	19.92	21.73	---	2.88	1.22	1.46
26	3.57	8.56	9.26	14.67	---	17.25	22.11	20.46	---	2.46	1.39	1.35
27	3.46	8.36	10.78	15.43	---	17.35	21.55	19.16	---	2.13	1.29	1.32
28	3.38	8.28	10.81	15.50	---	19.11	20.27	17.95	---	2.02	1.03	1.18
29	3.37	8.25	11.57	15.14	---	20.14	19.13	16.66	---	1.84	1.13	1.01
30	3.48	8.16	11.68	15.01	---	21.93	18.13	15.48	---	1.75	1.25	1.00
31	3.72	---	12.38	14.71	---	22.17	---	14.41	---	1.62	1.27	---
MEAN	6.83	5.46	8.67	10.84	---	---	21.60	17.27	---	---	1.37	2.50
MAX	12.68	8.65	12.38	15.50	---	22.17	24.54	23.39	13.98	---	2.36	5.08
MIN	3.37	3.35	4.99	5.21	11.99	7.67	16.71	10.86	---	1.62	1.03	1.00

NOTE.--Gage heights July 16 to Sept. 30 are from graph based on once-daily wire-weight gage readings.

07353520 NANTACHIE LAKE NEAR ALOHA, LA

LOCATION.--Lat 31°37'00", long 92°47'04", in SE¼NW¼ sec.4, T.7 N., R.4 W., Grant Parish, Hydrologic Unit 11140207, at dam 2.0 mi (3.2 km) upstream from mouth, and 2.5 mi (4.0 km) northwest of Aloha.

DRAINAGE AREA.--80.4 mi² (208 km²).

PERIOD OF RECORD.--February 1969 and September 1979. October 1979 to September 1980 (gage heights only).

GAGE.--Water-stage recorder and concrete control. Datum of gage is 92.28 ft (28.127 m) National Geodetic Vertical Datum of 1929 (levels by Louisiana Department of Transportation and Development, Office of Public Works).

REMARKS.--Reservoir is formed on Nantachie Creek by earthfill dam, completed in 1964. Storage began Oct. 19, 1964. The dam contains a 150-ft (46-m) concrete spillway. The crest of the spillway is 3.05 ft (0.930 m) gage height. Drawdown structure consist of one 5-by 5-ft (1.5-by 1.5-m) metal sluice gate that can be varied from -16.78 to -11.78 ft (-5.115 to -3.591 m) gage height. Area of lake is 1,580 acres (640 hm²), usable capacity 11,200 acre-ft (13.8 hm³) at 3.05 ft (0.930 m) gage height. Reservoir is used for recreation.

AVERAGE DISCHARGE.--9 years (water 1970-72, 1974-79), 72.6 ft³/s (2.056 m³/s), 52,600 acre-ft/yr (64.9 hm³/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 9,470 ft³/s (268 m³/s) Apr. 13, 1974, gage height, 9.12 ft (2.780 m); no flow at times most years. Reverse flow possible May 1973.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 5.41 (1.649 m) Mar. 30; minimum not determined.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
INSTANTANEOUS OBSERVATIONS AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	3.29	4.56	3.68	3.39	3.20	2.96	2.44
2	---	---	---	---	---	3.29	4.21	3.66	3.35	3.18	2.94	2.43
3	---	---	---	---	---	3.28	4.03	3.63	3.33	3.14	2.92	2.42
4	---	---	---	---	---	3.29	3.91	3.58	3.30	3.12	2.89	2.40
5	---	---	---	---	---	3.31	3.89	3.55	3.27	3.11	2.87	2.38
6	---	---	---	---	---	3.30	3.85	3.51	3.23	3.09	2.87	2.37
7	---	---	---	---	---	3.29	3.75	3.46	3.20	3.07	2.85	2.36
8	---	---	---	---	---	3.29	3.67	3.43	3.18	3.04	2.83	2.35
9	---	---	---	---	2.14	3.28	3.56	3.40	3.21	3.03	2.81	2.34
10	---	---	---	---	2.49	3.26	3.49	3.36	3.19	3.01	2.79	2.35
11	---	---	---	---	3.36	3.26	3.45	3.34	3.17	2.99	2.77	2.34
12	---	---	---	---	3.82	3.24	3.67	3.31	3.15	2.97	2.75	2.32
13	---	---	---	---	3.85	3.26	4.28	3.31	3.13	2.95	2.74	2.31
14	---	---	---	---	3.77	3.22	4.74	3.31	3.11	2.93	2.72	2.29
15	---	---	---	---	3.68	3.20	4.63	3.31	3.08	2.92	2.70	2.29
16	---	---	---	---	3.59	3.18	4.30	4.02	3.07	2.90	2.67	2.27
17	---	---	---	---	3.51	3.29	4.03	4.75	3.06	2.87	2.65	2.25
18	---	---	---	---	3.45	3.36	3.89	4.75	3.05	2.86	2.64	2.22
19	---	---	---	---	3.40	3.38	3.75	4.43	3.04	2.90	2.62	2.21
20	---	---	---	---	3.38	3.51	3.65	4.17	3.08	2.88	2.61	2.19
21	---	---	---	---	3.36	3.70	3.58	3.94	3.15	2.86	2.59	2.18
22	---	---	---	---	3.34	3.70	3.52	3.94	3.17	2.85	2.57	2.16
23	---	---	---	---	3.31	3.67	3.47	4.30	3.32	2.93	2.55	2.15
24	---	---	---	---	3.29	3.63	3.43	4.21	3.39	2.97	2.51	2.14
25	---	---	---	---	3.27	3.53	3.41	4.03	3.48	2.96	2.49	---
26	---	---	---	---	3.24	3.48	4.00	3.85	3.50	2.95	2.47	---
27	---	---	---	---	3.22	3.45	4.30	3.70	3.41	2.94	2.46	---
28	---	---	---	---	3.21	4.23	4.25	3.60	3.34	3.01	2.45	---
29	---	---	---	---	3.20	4.58	4.04	3.53	3.28	3.00	2.49	2.15
30	---	---	---	---	---	5.41	3.82	3.47	3.24	2.98	2.47	2.15
31	---	---	---	---	---	5.09	---	3.43	---	2.97	2.46	---
MEAN	---	---	---	---	---	3.56	3.90	3.74	3.23	2.99	2.68	---
MAX	---	---	---	---	3.85	5.41	4.74	4.75	3.50	3.20	2.96	2.44
MIN	---	---	---	---	---	3.18	3.41	3.31	3.04	2.85	2.45	---

NOTE.--No gage-height record Dec. 18 to Feb. 7, and below 2.14 ft gage height (lowest recordable stage) Oct. 1 to Dec. 18, Feb. 8, Sept. 25-28.

07354950 RED RIVER AT COLFAX, LA (CE 04450)

LOCATION.--Lat 31°30'58", long 92°43'13", in lot 38, T.6 N., R.3 W., Grant Parish, Hydrologic Unit 11140207, at mouth of Cane River, 0.3 mi (0.5 km) west of Colfax, and at mile 140.5.

DRAINAGE AREA.--66,860 mi² (173,167 km²), of which 5,936 mi² (15,374 km²) above Denison Dam is noncontributing.

PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: October 1975 to current year.
CHLORIDE: October 1974 to current year.
SUSPENDED-SEDIMENT CONCENTRATION: December 1975 to current year.

COOPERATION.--Samples for daily chloride are collected by the Corps of Engineers and analyzed by the Geological Survey.

EXTREMES FOR PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: Maximum daily, 32.0°C July 11, 1978; minimum daily, 2.0°C Jan. 21, 1977.
CHLORIDE: Maximum daily, 400 mg/L June 29, 1978; minimum daily, 14 mg/L May 13, 1975, Apr. 6, 1977.
SUSPENDED-SEDIMENT CONCENTRATION: Maximum daily, 4,940 mg/L Mar. 25, 1977, minimum daily, 31 mg/L July 14, 1977.

EXTREMES FOR CURRENT YEAR.--
WATER TEMPERATURES: Maximum daily, 31.0°C Aug. 6-24; minimum daily, 5.5°C Feb. 2, 3.
CHLORIDE: Maximum daily, 390 mg/L Aug. 14; minimum daily, 20 mg/L Jan. 7, 28, Feb. 27, Apr. 23, May 18-21, 28, 31.
SUSPENDED-SEDIMENT CONCENTRATION: Maximum daily, 867 mg/L Feb. 11; minimum daily, 37 mg/L Sep. 10.

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	24.0	19.0	14.0	---	6.5	8.5	15.5	20.0	26.5	29.5	29.0	29.0
2	24.0	18.0	14.0	9.5	5.5	8.5	16.0	20.0	27.0	29.5	29.0	29.0
3	24.0	18.0	14.0	9.5	5.5	8.5	16.5	20.5	27.0	29.5	29.0	29.0
4	24.0	16.0	14.0	9.5	6.0	9.5	16.5	20.5	27.0	29.5	29.0	29.0
5	21.5	16.0	14.0	9.5	6.0	10.0	17.0	20.5	27.5	29.5	29.0	29.0
6	23.5	16.0	14.0	9.5	6.5	10.5	17.0	21.0	27.5	29.5	31.0	29.0
7	22.0	15.0	14.0	9.5	6.5	13.0	18.0	21.5	27.5	29.5	31.0	29.0
8	21.5	15.0	14.0	9.5	7.0	13.5	19.0	22.0	27.5	29.5	31.0	29.0
9	21.5	15.0	14.0	9.5	7.0	14.0	19.5	20.5	27.0	29.5	31.0	29.0
10	21.0	15.0	14.0	9.5	6.5	14.5	19.5	21.0	27.5	29.5	31.0	29.0
11	21.0	15.0	14.0	9.5	6.0	15.0	19.5	21.5	28.0	29.5	31.0	29.0
12	20.5	15.0	14.0	9.5	6.0	15.0	19.5	21.5	28.0	29.5	31.0	29.0
13	19.5	15.0	14.0	10.0	6.5	15.0	18.0	22.0	28.0	30.0	31.0	29.0
14	19.5	14.0	14.0	10.0	6.5	15.0	15.0	22.0	28.0	30.0	31.0	29.0
15	19.5	14.0	14.0	11.5	7.0	14.0	15.0	22.0	28.0	30.0	31.0	29.0
16	19.5	14.0	12.0	11.5	7.0	15.0	15.5	21.0	28.0	30.0	31.0	29.0
17	19.5	14.0	11.0	11.5	7.0	15.5	15.5	21.0	28.0	30.0	31.0	29.0
18	19.5	15.0	10.0	11.5	7.0	15.0	16.0	21.0	28.0	30.0	31.0	29.0
19	19.5	15.0	10.0	12.0	8.5	14.5	16.0	21.0	28.0	30.0	31.0	29.0
20	19.5	15.0	10.0	12.0	10.5	14.5	17.0	21.5	27.5	30.0	31.0	29.0
21	20.0	15.0	10.0	12.0	10.5	14.5	19.5	22.0	27.5	30.0	31.0	29.0
22	19.5	15.0	10.0	12.0	12.0	15.5	20.5	22.0	27.5	30.0	31.0	29.0
23	19.5	15.0	10.0	12.0	12.0	15.5	20.5	22.0	28.0	30.0	31.0	29.0
24	19.5	15.0	10.0	12.0	12.0	15.0	20.5	22.0	28.5	30.0	31.0	29.0
25	19.5	15.0	10.0	12.0	12.0	14.5	20.5	23.0	28.5	29.0	30.0	29.0
26	19.5	15.0	10.0	12.0	12.0	14.5	19.5	24.0	29.0	29.0	30.0	29.0
27	19.5	15.0	10.0	12.0	12.0	14.5	18.5	24.0	29.0	29.0	30.0	29.0
28	19.5	15.0	10.0	11.0	12.0	14.5	18.0	24.0	29.0	29.0	30.0	29.0
29	19.5	15.0	10.0	11.0	12.0	15.5	19.0	24.5	29.0	29.0	30.0	29.0
30	19.5	15.0	10.0	9.0	---	15.5	20.0	25.0	29.0	29.0	30.0	29.0
31	19.5	---	10.0	8.0	---	15.5	---	25.0	---	29.0	30.0	---

07354950 RED RIVER AT COLFAX, LA (CE 04450)--Continued

CHLORIDE, DISSOLVED (MG/L), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	140	130	140	30	35	70	35	40	26	100	260	320
2	110	130	65	30	40	60	35	45	25	120	290	310
3	120	160	75	30	40	55	25	55	25	110	290	290
4	140	160	65	40	50	55	30	55	40	110	250	260
5	130	150	50	25	45	75	45	50	55	120	220	290
6	130	120	50	25	45	75	45	35	46	120	260	280
7	120	110	65	20	45	60	35	40	80	120	240	220
8	110	150	55	30	40	85	40	45	40	140	200	200
9	120	160	55	30	65	110	50	50	50	160	250	200
10	140	100	50	30	70	120	40	45	38	170	240	190
11	150	110	45	30	50	120	45	30	39	170	210	110
12	150	110	40	25	60	120	45	25	170	170	250	120
13	150	95	65	30	60	100	35	45	250	160	270	110
14	160	70	85	30	80	100	50	55	250	150	---	100
15	170	80	100	25	45	110	50	55	220	140	280	90
16	160	70	---	30	30	100	25	45	220	190	270	72
17	170	75	85	25	30	100	30	25	220	210	280	90
18	180	90	60	30	25	80	30	20	200	---	280	78
19	170	100	60	35	30	80	30	20	240	250	250	72
20	170	80	65	40	25	85	25	20	210	240	250	100
21	170	90	90	35	35	55	40	20	260	210	260	100
22	160	85	95	45	25	40	40	25	---	200	200	110
23	160	75	60	---	25	30	20	25	260	250	250	150
24	190	65	60	40	30	40	25	25	240	320	310	160
25	180	55	45	42	35	45	30	35	220	250	320	190
26	170	60	35	28	30	45	---	25	210	300	340	220
27	170	70	35	45	20	40	30	25	190	230	350	270
28	180	50	45	20	30	35	25	20	130	220	330	280
29	190	65	40	30	60	30	40	25	130	200	330	280
30	190	110	55	33	---	30	35	25	120	200	300	270
31	140	---	60	---	---	35	---	20	---	200	320	---

SEDIMENT, SUSPENDED CONCENTRATION (MG/L), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	189	169	159	668	731	245	310	331	---	429	343	129
2	220	138	112	541	695	285	761	359	242	312	154	80
3	195	149	133	441	523	337	480	171	683	293	165	263
4	214	136	84	534	304	275	244	165	306	151	125	367
5	205	136	115	336	332	273	636	250	338	124	102	295
6	139	155	145	445	420	234	159	381	654	92	90	154
7	129	445	98	466	359	217	205	289	428	117	121	144
8	188	194	65	240	497	147	248	371	520	122	---	---
9	149	136	110	250	375	148	199	282	433	162	176	147
10	171	156	401	237	587	150	344	237	450	172	479	---
11	131	171	---	248	867	152	197	757	363	165	248	217
12	155	314	---	272	693	127	208	593	714	229	186	198
13	145	233	268	215	423	184	574	224	526	135	153	124
14	182	225	206	200	489	169	302	229	563	325	156	115
15	119	213	131	402	689	108	791	299	396	302	104	113
16	103	217	231	392	466	177	247	417	411	166	106	113
17	253	163	178	291	424	184	241	465	418	152	132	128
18	106	64	145	204	443	142	337	283	494	---	97	112
19	125	95	147	228	425	212	274	463	484	165	228	180
20	117	89	229	160	357	166	267	262	302	84	181	112
21	118	160	272	145	371	419	227	791	363	169	347	119
22	57	258	225	291	365	545	218	167	283	112	261	130
23	163	415	163	626	230	311	171	273	407	157	231	97
24	182	309	348	496	461	344	161	195	171	142	294	153
25	92	300	362	678	297	202	245	236	435	273	346	70
26	178	272	273	719	349	530	159	298	357	355	231	114
27	109	307	231	599	326	401	248	351	794	349	283	121
28	116	329	337	526	268	299	203	309	445	542	274	127
29	111	237	466	816	252	323	203	226	393	175	127	118
30	205	186	885	744	---	385	376	184	392	265	139	157
31	164	---	699	667	---	238	---	219	---	---	360	---

07355130 RED RIVER AT BOYCE, LA (CE 04525)

LOCATION.--Lat 31°27'37", long 92°40'04", T.5 N., R.3 W., Grant-Rapides Parish line, Hydrologic Unit 11140207, near center of span on downstream side of bridge on State Highway 8, 0.2 mi (0.3 km) northwest of Boyce, at mile 135.0.

DRAINAGE AREA.--66,998 mi² (173,525 km²), of which 5,936 mi² (15,374 km²) above Denison Dam is noncontributing.

PERIOD OF RECORD.--Water years 1973 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE, WATER (DEG C)	COLOR (PLATINUM COBALT UNITS)	TURBIDITY (JTU)	SETTLEABLE MATTER (ML/L/HR)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLIFORM, TOTAL, IMMED. (COLS. PER 100 ML)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)
OCT 09...	1345	671	6.7	25.0	20	35	<1.0	9.7	40	2.7	1400	260
NOV 05...	1715	862	7.5	17.5	50	50	<1.0	10.1	37	3.4	3000	K350
DEC 04...	0800	426	7.3	8.0	40	30	<1.0	11.2	31	3.1	7000	680
JAN 07...	1530	186	7.2	9.5	80	130	<1.0	9.9	31	2.8	4000	780
FEB 11...	1600	284	6.7	6.0	100	130	<1.0	11.2	42	4.7	9400	K1400
MAR 10...	1700	548	7.3	15.5	30	40	<1.0	10.7	19	6.3	4000	300
APR 07...	1500	216	6.7	20.5	60	50	<1.0	8.4	33	2.2	2200	K170
MAY 06...	0830	257	7.1	22.5	60	55	<1.0	7.7	44	3.3	K3200	120
JUN 05...	0900	337	7.5	27.5	50	45	<1.0	7.4	24	1.0	3400	K360
JUL 14...	1515	926	7.9	34.5	20	65	<1.0	7.4	39	--	<50	<10
AUG 07...	0830	1510	7.6	30.5	10	15	<1.0	6.8	35	4.0	K20	K5
SEP 03...	0800	1670	7.4	29.0	10	70	<1.0	6.6	28	2.5	K1100	--

DATE	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	BICARBONATE (MG/L AS HCO3)	CARBONATE (MG/L AS CO3)	ALKALINITY (MG/L AS CACO3)	CARBON DIOXIDE DISSOLVED (MG/L AS CO2)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)
OCT 09...	150	64	42	11	105	0	86	34	76	110	96	.00
NOV 05...	190	74	53	14	141	0	116	7.3	100	140	54	.00
DEC 04...	99	36	27	7.6	76	0	62	6.2	37	64	52	.03
JAN 07...	54	13	16	3.5	51	0	42	5.1	2.6	23	288	.12
FEB 11...	62	22	18	4.2	49	0	40	16	31	41	254	.16
MAR 10...	120	56	34	8.7	79	0	65	6.5	63	87	107	.01
APR 07...	50	17	14	3.7	40	0	33	13	19	28	150	.07
MAY 06...	65	17	19	4.3	59	0	48	7.7	26	30	117	.07
JUN 05...	83	33	25	5.1	62	0	51	3.2	31	45	156	.01
JUL 14...	220	89	61	17	163	0	134	3.3	93	140	181	.00
AUG 07...	330	120	86	28	254	0	208	10	140	250	13	.00
SEP 03...	360	190	95	30	206	0	169	13	170	300	153	.00

< Actual value is known to be less than the value shown.

K Results based on colony count outside the acceptable range (non-ideal count).

07355130 RED RIVER AT BOYCE, LA (CE 04525)--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC DIS. (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	PHOS-PHORUS, TOTAL (MG/L AS PO4)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC SUS-PENDED TOTAL (UG/L AS AS)	ARSENIC DIS-SOLVED (UG/L AS AS)	BERYL-LIUM, TOTAL RECOV-ERABLE (UG/L AS BE)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)	CADMIUM SUS-PENDED RECOV-ERABLE (UG/L AS CD)
OCT 09...	.02	.02	.81	.110	.34	2	1	1	0	<1	1	0
NOV 05...	.02	.02	1.0	.130	.40	2	2	0	0	<1	1	--
DEC 04...	.04	.07	.77	.110	.34	1	0	1	0	<1	0	--
JAN 07...	.08	.20	1.1	.160	.49	2	1	1	0	<1	0	--
FEB 11...	.05	.21	.73	.200	.61	--	--	1	0	<1	3	2
MAR 10...	.01	.02	.90	.190	.58	1	1	0	0	<1	0	--
APR 07...	.01	.08	1.0	.180	.55	1	0	1	0	<1	0	--
MAY 06...	.02	.09	.83	.100	.31	2	1	1	0	<1	0	--
JUN 05...	.02	.03	.56	.160	.49	2	1	1	0	0	1	1
JUL 14...	.01	.01	.67	.160	.49	2	1	1	0	<1	0	--
AUG 07...	.01	.01	1.1	.160	.49	2	0	2	10	<1	0	--
SEP 03...	.01	.01	1.1	.140	.43	3	2	1	0	<1	0	--

DATE	CADMIUM DIS-SOLVED (UG/L AS CD)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR)	CHRO-MIUM, HEXA-VALENT, DIS. (UG/L AS CR)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	COPPER, SUS-PENDED RECOV-ERABLE (UG/L AS CU)	COPPER, DIS-SOLVED (UG/L AS CU)	IRON, DIS-SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	LEAD, SUS-PENDED RECOV-ERABLE (UG/L AS PB)	LEAD, DIS-SOLVED (UG/L AS PB)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	MERCURY SUS-PENDED RECOV-ERABLE (UG/L AS HG)
OCT 09...	1	0	0	5	5	0	20	7	7	0	.1	.1
NOV 05...	2	10	0	0	0	0	30	4	0	4	.1	.1
DEC 04...	1	0	0	1	--	4	110	8	--	10	.1	.1
JAN 07...	<1	0	0	2	2	0	180	7	5	2	.0	.0
FEB 11...	1	0	0	8	5	3	90	20	20	0	.2	--
MAR 10...	2	10	0	5	--	10	90	5	2	3	.4	.0
APR 07...	<1	0	0	6	0	6	180	31	28	3	.1	.0
MAY 06...	<1	0	0	6	4	2	140	8	8	0	.1	.1
JUN 05...	0	0	0	14	6	8	0	19	19	0	.3	.3
JUL 14...	<1	20	0	12	8	4	20	20	18	2	.1	.0
AUG 07...	2	10	0	8	4	4	10	9	8	1	.1	.0
SEP 03...	1	0	1	8	7	1	10	67	66	1	.2	.1

< Actual value is known to be less than the value shown.

07355130 RED RIVER AT BOYCE, LA (CE 04525)--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	MERCURY DIS-SOLVED (UG/L AS HG)	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI)	NICKEL, SUS-PENDED RECOV-ERABLE (UG/L AS NI)	NICKEL, DIS-SOLVED (UG/L AS NI)	SELE-NIUM, TOTAL (UG/L AS SE)	SELE-NIUM, SUS-PENDED TOTAL (UG/L AS SE)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)	VANA-DIUM, DIS-SOLVED (UG/L AS V)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)	ZINC, SUS-PENDED RECOV-ERABLE (UG/L AS ZN)	ZINC, DIS-SOLVED (UG/L AS ZN)
OCT 09...	.0	5	5	0	0	0	0	--	--	--	10
NOV 05...	.0	4	1	3	0	0	0	--	10	3	7
DEC 04...	.0	2	--	3	0	0	0	1.0	10	7	3
JAN 07...	.0	8	8	0	0	0	0	2.0	20	10	10
FEB 11...	.3	8	6	2	0	0	0	1.0	30	20	10
MAR 10...	.4	3	1	2	0	0	0	1.0	20	10	10
APR 07...	.1	17	13	4	0	0	0	.0	--	--	30
MAY 06...	.0	7	4	3	0	0	0	.0	20	20	4
JUN 05...	.0	12	8	4	0	0	0	.0	30	30	0
JUL 14...	.1	8	5	3	0	--	1	--	50	40	10
AUG 07...	.1	5	5	0	0	0	0	--	30	20	10
SEP 03...	.1	13	9	4	0	0	0	--	40	30	9

DATE	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	OIL AND GREASE, TOTAL RECOV. GRAVI-METRIC (MG/L)	PCB, TOTAL (UG/L)	PCB, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	NAPH-THA-LENES, POLY-CHLOR. TOTAL (UG/L)	PCN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	CHLOR-DANE, TOTAL (UG/L)
OCT 09...	--	.00	4	0	.0	3	.00	.0	.000	.0	.0
NOV 05...	22	.00	0	0	.0	--	.00	--	.000	--	.0
DEC 04...	8.0	.00	7	0	.0	--	.00	--	.000	--	.0
JAN 07...	8.8	.00	1	9	.0	0	.00	.0	.000	.0	.0
FEB 11...	9.8	.00	7	0	.0	--	.00	--	.000	--	.0
MAR 10...	8.3	.00	0	0	.0	--	.00	--	.000	--	.0
APR 07...	11	.00	2	0	.0	0	.00	.0	.000	.0	.0
MAY 06...	15	.00	1	0	.0	--	.00	--	.000	--	.0
JUN 05...	13	.00	6	0	.0	--	.00	--	.000	--	.0
JUL 14...	17	.00	3	0	.0	0	.00	.0	.000	.0	.0
AUG 07...	11	.00	4	0	.0	--	.00	--	.000	--	.0
SEP 03...	11	.01	2	0	.0	--	.00	--	.000	--	.0

07355130 RED RIVER AT BOYCE, LA (CE 04525)--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	CHLORDANE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDE, TOTAL (UG/L)	DDE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIAZINON, TOTAL (UG/L)	DIAZINON, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIELDRIN TOTAL (UG/L)	DIELDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)
OCT											
09...	0	.000	.1	.000	.1	.000	.0	.00	.0	.000	.0
NOV											
05...	--	.000	--	.000	--	.000	--	.01	--	.000	--
DEC											
04...	--	.000	--	.000	--	.000	--	.00	--	.000	--
JAN											
07...	0	.000	.2	.000	.4	.000	.3	.01	.0	.000	.0
FEB											
11...	--	.000	--	.000	--	.004	--	.00	--	.003	--
MAR											
10...	--	.000	--	.000	--	.000	--	.00	--	.000	--
APR											
07...	0	.000	.0	.000	.2	.000	.0	.00	.0	.000	.0
MAY											
06...	--	.000	--	.000	--	.000	--	.00	--	.000	--
JUN											
05...	--	.000	--	.000	--	.000	--	.00	--	.000	--
JUL											
14...	0	.000	.0	.000	.3	.000	.0	.01	.0	.000	.0
AUG											
07...	--	.000	--	.000	--	.000	--	.01	--	.000	--
SEP											
03...	--	.000	--	.000	--	.000	--	.01	--	.000	--

DATE	ENDOSULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ENDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ETHION, TOTAL (UG/L)	ETHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR, TOTAL (UG/L)	HEPTACHLOR, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR EPOXIDE TOTAL (UG/L)	HEPTACHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOTTOM MATERIAL (UG/KG)
OCT											
09...	.000	.000	.0	.00	.0	.000	.0	.000	.0	.000	.0
NOV											
05...	.000	.000	--	.00	--	.000	--	.000	--	.000	--
DEC											
04...	.000	.000	--	.00	--	.000	--	.000	--	.000	--
JAN											
07...	.000	.000	.0	.00	.0	.000	.0	.000	.0	.000	.0
FEB											
11...	.000	.000	--	.00	--	.000	--	.000	--	.000	--
MAR											
10...	.000	.000	--	.00	--	.000	--	.000	--	.000	--
APR											
07...	.000	.000	.0	.00	.0	.000	.0	.000	.0	.000	.0
MAY											
06...	.000	.000	--	.00	--	.000	--	.000	--	.000	--
JUN											
05...	.000	.000	--	.00	--	.000	--	.000	--	.000	--
JUL											
14...	.000	.000	.0	.00	.0	.000	.0	.000	.0	.000	.0
AUG											
07...	.000	.000	--	.00	--	.000	--	.000	--	.000	--
SEP											
03...	.000	.000	--	.00	--	.000	--	.000	--	.000	--

07355130 RED RIVER AT BOYCE, LA (CE 04525)--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	MALA- THION, TOTAL (UG/L)	MALA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	METH- OXY- CHLOR, TOTAL (UG/L)	METH- OXY- CHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARA- THION, TOTAL (UG/L)	METHYL PARA- THION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRI- THION, TOTAL (UG/L)	METHYL TRI- THION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, TOTAL (UG/L)	MIREX, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
OCT 09...	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0
NOV 05...	.00	--	.00	--	.00	--	.00	--	.00	--
DEC 04...	.00	--	.00	--	.00	--	.00	--	.00	--
JAN 07...	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0
FEB 11...	.00	--	.00	--	.00	--	.00	--	.00	--
MAR 10...	.00	--	.00	--	.00	--	.00	--	.00	--
APR 07...	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0
MAY 06...	.00	--	.00	--	.00	--	.00	--	.00	--
JUN 05...	.00	--	.00	--	.00	--	.00	--	.00	--
JUL 14...	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0
AUG 07...	.00	--	.00	--	.00	--	.00	--	.00	--
SEP 03...	.00	--	.00	--	.00	--	.00	--	.00	--

DATE	PARA- THION, TOTAL (UG/L)	PARA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	PER- THANE TOTAL (UG/L)	TOX- APHENE, TOTAL (UG/L)	TOXA- PHENE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL TRI- THION (UG/L)	TRI- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	2,4-D, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
OCT 09...	.00	.0	.00	.0	0	.00	.0	.00	.00	.00
NOV 05...	.00	--	.00	.0	--	.00	--	.04	.00	.00
DEC 04...	.00	--	.00	.0	--	.00	--	.00	.00	.00
JAN 07...	.00	.0	.00	.0	0	.00	.0	.00	.00	.00
FEB 11...	.00	--	.00	.0	--	.00	--	.01	.00	.00
MAR 10...	.00	--	.00	.0	--	.00	--	.01	.00	.00
APR 07...	.00	.0	.00	.0	0	.00	.0	.02	.00	.00
MAY 06...	.00	--	.00	.0	--	.00	--	.02	.00	.00
JUN 05...	.00	--	.00	.0	--	.00	--	.01	.00	.00
JUL 14...	.00	.0	.00	.0	0	.00	.0	.00	.06	.00
AUG 07...	.00	--	.00	.0	--	.00	--	.00	.01	.00
SEP 03...	.00	--	.00	.0	--	.00	--	.00	.00	.00

07355500 RED RIVER AT ALEXANDRIA, LA

(National stream-quality accounting network station)

LOCATION.--Lat 31°18'46", long 92°26'34", in SE¼ sec.10, T.4 N., R.1 W., Rapides Parish, Hydrologic Unit 08040401, near center of span on downstream side of Murray Street bridge between Alexandria and Pineville, and 1.7 mi (2.7 km) downstream from Bayou Rigolette. Water-quality sampling site at center of channel 0.3 mi (0.5 m) downstream.

DRAINAGE AREA.--67,500 mi^2 (174,800 km^2), of which 5,936 mi^2 (15,374 km^2) above Denison Dam is noncontributing.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1928 to September 1979. Since January 1928, in reports of Mississippi River Commission. Discharge observations in 1858 and intermittently 1879 to 1927, and gage heights since 1872 in reports of Mississippi River Commission.

REVISED RECORDS.--WSP 1211: Drainage area.--WSP 1241: 1929-36.

GAGE.--Wire-weight gage read twice daily. Datum of gage is 44.26 ft (13.490 m) National Geodetic Vertical Datum of 1929 or 44.18 ft (13.466 m) above mean Gulf level, Mississippi River Commission datum (levels by Corps of Engineers). Prior to July 14, 1934, nonrecording gage at same site and datum.

REMARKS.--Regulation by Lake Texoma, Millwood Reservoir, and Texarkana Reservoir. See Red River near Hosston (station 07344400).

COOPERATION.--Gage-height record and computations of daily discharge furnished by Corps of Engineers; records reviewed by Geological Survey.

AVERAGE DISCHARGE.--51 years (water years 1929-79) 31,130 ft^3/s 881.6 m^3/s), 22,553,700 acre-ft/yr (27.8 km^3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 233,000 ft^3/s (6,600 m^3/s) Apr. 17, 1945, gage height, 45.23 ft (13.768 m); minimum, 873 ft^3/s (24.7 m^3/s) Oct. 30, 1956, gage height, -3.01 ft (-0.917 m).

EXTREMES OUTSIDE PERIOD OF RECORD.--A discharge of 210,000 ft^3/s (5,950 m^3/s) was measured July 2, 1908, gage height, 41.6 ft (12.68 m).

EXTREMES FOR CURRENT YEAR.--Water year 1979: Maximum daily discharge, 117,000 ft^3/s (3,310 m^3/s) Apr. 7; minimum daily, 2,400 ft^3/s (68.0 m^3/s) Oct. 20, 21.

RECORDS OF THE 1980 WATER YEAR ARE NOT AVAILABLE IN TIME FOR INCLUSION IN THIS REPORT. THEY WILL BE PUBLISHED IN A SUBSEQUENT REPORT.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4100	2600	16000	15000	76000	67000	56000	65000	72000	18000	11000	6000
2	4100	2600	15000	21000	73000	73000	62000	58000	74000	17000	16000	5900
3	4300	2600	15000	24000	70000	78000	75000	52000	76000	16000	19000	6500
4	4200	2600	16000	25000	68000	83000	94000	54000	78000	16000	22000	7000
5	3900	2500	17000	25000	67000	85000	107000	54000	79000	15000	23000	7100
6	3700	2600	17000	27000	66000	88000	114000	59000	80000	14000	24000	8500
7	3500	3100	16000	40000	68000	91000	117000	68000	82000	13000	23000	8600
8	3500	3900	15000	49000	70000	88000	117000	76000	83000	12000	22000	8300
9	3500	3700	16000	54000	71000	90000	114000	82000	83000	11000	22000	6500
10	3600	4100	16000	54000	69000	87000	110000	82000	81000	11000	23000	5700
11	3600	4100	17000	52000	65000	84000	107000	79000	81000	10000	23000	5600
12	3600	3800	19000	50000	60000	78000	103000	74000	80000	10000	22000	5700
13	3700	3500	22000	47000	54000	72000	100000	70000	75000	11000	20000	5600
14	3500	3300	23000	45000	49000	66000	98000	65000	65000	11000	18000	5500
15	3300	3200	22000	43000	44000	60000	94000	58000	61000	11000	16000	4700
16	3200	3100	21000	40000	40000	55000	88000	52000	61000	11000	15000	4700
17	3000	2800	21000	37000	37000	51000	81000	55000	62000	11000	14000	4700
18	2700	2700	20000	34000	37000	47000	75000	54000	63000	11000	13000	5500
19	2600	2700	18000	32000	38000	43000	71000	52000	62000	9800	12000	5600
20	2400	3100	16000	42000	37000	39000	67000	50000	63000	9900	11000	7400
21	2400	9500	13000	55000	36000	36000	65000	48000	63000	10000	10000	15000
22	2600	23000	11000	68000	33000	33000	63000	46000	60000	10000	9600	15000
23	2700	29000	9700	77000	33000	34000	64000	44000	57000	9800	9000	15000
24	2800	29000	8500	80000	42000	34000	68000	42000	50000	9500	8800	15000
25	2900	28000	7600	79000	48000	36000	73000	38000	43000	8700	8400	15000
26	3000	26000	7200	79000	51000	40000	77000	34000	35000	8000	8400	15000
27	3000	24000	6800	80000	52000	48000	81000	46000	28000	8100	8100	14000
28	2900	21000	6500	83000	58000	53000	80000	60000	24000	8400	7700	14000
29	2800	19000	6300	83000	---	56000	78000	67000	21000	8500	7200	14000
30	2700	17000	6800	81000	---	56000	72000	70000	19000	8900	6600	14000
31	2600	---	9600	78000	---	55000	---	71000	---	9600	6300	---
TOTAL	100400	288100	451000	1599000	1512000	1906000	2571000	1825000	1861000	348200	459100	271100
MEAN	3239	9603	14550	51580	54000	61480	85700	58870	62030	11230	14810	9037
MAX	4300	29000	23000	83000	76000	91000	117000	82000	83000	18000	24000	15000
MIN	2400	2500	6300	15000	33000	33000	56000	34000	19000	8000	6300	4700
AC-FT	199100	571400	894600	3172000	2999000	3781000	5100000	3620000	3691000	690700	910600	537700

CAL YR 1978 TOTAL 5054900 MEAN 13850 MAX 50000 MIN 2400 AC-FT 10030000
TR YR 1979 TOTAL 13191900 MEAN 36140 MAX 117000 MIN 2400 AC-FT 26170000

07355500 RED RIVER AT ALEXANDRIA, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
INSTANTANEOUS OBSERVATIONS AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	-.71	-1.81	5.82	5.24	21.67	21.98	20.20	23.15	23.56	10.44	5.20	.50
2	-.72	-1.81	5.54	8.59	21.06	23.01	21.38	21.97	23.87	9.95	6.45	.46
3	-.58	-1.84	5.49	9.94	20.40	23.91	23.63	21.05	24.20	9.75	8.79	.88
4	-.58	-1.84	5.99	10.39	19.87	24.64	26.62	20.23	24.57	9.32	10.02	1.20
5	-.82	-1.88	6.50	10.37	19.62	25.06	28.41	20.42	24.76	8.66	10.75	1.28
6	-.97	-1.88	6.34	11.29	19.48	25.51	29.40	22.21	24.88	7.94	11.00	2.15
7	-1.16	-1.56	5.74	14.69	19.88	25.85	29.73	23.87	25.12	7.24	10.79	2.22
8	-1.21	-.96	5.39	16.89	20.43	25.90	29.69	25.06	25.37	6.82	10.40	1.97
9	-1.16	-.49	5.74	17.99	20.48	25.69	29.37	25.97	25.26	6.18	10.38	.85
10	-1.14	-.21	5.86	18.04	20.26	25.24	28.91	26.01	24.99	5.65	10.51	.27
11	-1.14	-.14	5.94	17.59	19.64	24.73	28.52	25.50	25.03	5.25	10.60	.22
12	-1.08	-.34	6.89	17.06	18.71	23.88	28.08	24.85	24.85	5.29	10.20	.27
13	-1.06	-.61	7.99	16.49	17.82	22.92	27.71	24.13	24.00	5.66	9.50	.31
14	-1.16	-.81	8.44	15.99	16.86	21.86	27.52	23.26	22.75	5.72	8.60	.16
15	-1.28	-.83	8.34	15.46	15.95	20.73	27.04	22.07	21.90	5.84	7.60	-.13
16	-1.38	-.94	7.94	14.79	15.24	19.72	26.33	20.91	21.95	5.86	6.80	-.29
17	-1.50	-1.11	7.79	14.09	14.63	18.94	25.45	20.11	22.20	5.98	6.20	-.26
18	-1.71	-1.26	7.59	13.32	14.54	18.00	24.60	19.85	22.30	5.53	5.69	.19
19	-1.84	-1.28	6.98	12.54	14.78	16.97	24.03	19.55	22.20	5.03	4.88	.25
20	-1.92	-1.21	5.96	15.42	14.60	15.96	23.51	19.12	22.35	4.93	4.06	1.28
21	-2.02	1.34	4.94	18.12	14.34	15.10	23.12	18.64	22.35	4.96	3.42	6.11
22	-1.81	8.59	4.19	20.68	13.88	14.52	22.82	18.22	21.86	4.96	3.05	6.26
23	-1.74	10.64	3.54	22.08	13.84	14.62	23.04	17.77	21.22	4.88	2.60	5.80
24	-1.69	10.91	2.84	22.56	16.37	14.78	23.61	17.20	20.01	4.71	2.45	5.54
25	-1.62	10.54	2.24	22.54	17.96	15.35	24.42	16.00	18.45	4.19	2.20	5.52
26	-1.51	9.94	1.94	22.39	18.53	16.41	25.10	14.88	16.68	3.68	2.16	5.46
27	-1.49	9.54	1.69	22.66	18.87	18.35	25.61	18.17	15.10	3.80	2.00	5.16
28	-1.58	8.61	1.54	23.07	20.22	19.51	25.54	21.32	13.64	3.97	1.70	4.83
29	-1.60	7.49	1.32	23.18	---	20.10	25.15	22.68	12.18	4.04	1.38	4.47
30	-1.72	6.54	1.39	22.72	---	20.21	24.26	23.14	11.14	4.27	1.04	4.61
31	-1.80	---	2.94	22.24	---	19.81	---	23.36	---	4.77	.74	---
MEAN	-1.35	2.04	5.19	16.72	17.85	20.62	25.76	21.31	21.62	5.98	6.17	2.25
MAX	-.58	10.91	8.44	23.18	21.67	25.90	29.73	26.01	25.37	10.44	11.00	6.26
MIN	-2.02	-1.88	1.32	5.24	13.84	14.52	20.20	14.88	11.14	3.68	.74	-.29

07355500 RED RIVER AT ALEXANDRIA, LA--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1947, 1952-62, 1969, 1973 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: October 1952 to September 1963, June 1973 to current year.
WATER TEMPERATURES: October 1952 to September 1963, June 1973 to current year.
CHLORIDE: October 1974 to current year.
SUSPENDED-SEDIMENT DISCHARGE: October 1972 to September 1979.

COOPERATION.--Samples for daily chloride are collected by Corps of Engineers and analyzed by Geological Survey. Samples for suspended-sediment analysis are collected by the Corps of Engineers and analyzed by the Geological Survey. Daily suspended-sediment discharge records are computed by the Geological Survey and reviewed by the Corps of Engineers.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum daily, 2,020 micromhos Oct. 8, 1956; minimum daily, 133 micromhos June 24, 1953.
WATER TEMPERATURES: Maximum daily, 34.0°C Aug. 2, 8, 10, 1956; minimum daily, 3.0°C Jan. 22, 1978.
CHLORIDE: Maximum daily, 420 mg/L Oct. 12, 1978; minimum daily, 8.6 mg/L Apr. 7, 1977.
SUSPENDED-SEDIMENT DISCHARGE: Maximum daily, 1,495,000 tons (1,356,000 tonnes) Dec. 9, 1973; minimum daily, 1,000 tons (907 tonnes) Oct. 10-22, 1972, Oct. 1 to Nov. 7, 1978.

EXTREMES FOR CURRENT YEAR.--
SPECIFIC CONDUCTANCE: Maximum daily, 1,710 micromhos Aug. 27, Sep. 1; minimum daily, 160 micromhos May 30.
WATER TEMPERATURES: Maximum daily, 32.5°C July 11; minimum daily, 5.0°C Feb. 11.
CHLORIDE: Maximum daily, 310 mg/L Aug. 17, 30; minimum daily, 15 mg/L Apr. 21.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	TEMPER-ATURE, WATER (DEG C)	COLOR (PLAT-INUM COBALT UNITS)	TUR-BID-ITY (NTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./100 ML)	STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARD-NESS (MG/L AS CACO3)
OCT											
09...	1415	651	6.6	25.0	20	41	9.5	3.2	K365	K75	130
NOV											
05...	1430	824	7.5	18.5	40	32	10.2	3.6	190	K3400	190
DEC											
03...	1730	433	7.1	9.5	40	40	11.0	3.8	K350	K30	100
JAN											
07...	1200	199	7.1	10.5	60	120	9.9	1.8	1200	3300	57
FEB											
11...	1345	288	6.9	6.0	140	94	12.0	4.0	K1900	7000	71
MAR											
10...	1600	506	7.5	16.0	20	52	10.2	6.6	K150	K30	110
APR											
07...	1215	246	6.9	19.5	70	65	8.3	2.1	260	200	61
MAY											
08...	1100	277	6.9	23.5	50	79	7.2	3.4	100	820	69
JUN											
04...	1730	243	7.5	28.5	50	72	7.4	.4	K85	K109000	64
JUL											
14...	1215	986	5.9	33.5	20	34	7.4	--	--	4000	240
AUG											
04...	1930	1510	7.6	31.5	15	25	9.8	2.6	K20	K80	340
SEP											
05...	0830	1480	7.6	29.5	10	--	5.9	2.1	--	--	340

K Results based on colony count outside the acceptable range (non-ideal count).

07355500 RED RIVER AT ALEXANDRIA, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	HARDNESS, NONCARBONATE (MG/L CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM ADSORPTION RATIO	SODIUM+ POTASSIUM DISSOLVED (MG/L AS NA)	POTASSIUM, DISSOLVED (MG/L AS K)	BICARBONATE (MG/L AS HCO3)	CARBONATE (MG/L AS CO3)	ALKALINITY (MG/L AS CACO3)
OCT											
09...	49	38	9.6	70	52	2.6	74	4.1	104	0	85
NOV											
05...	52	51	14	99	62	3.2	100	5.0	162	0	133
DEC											
03...	42	26	9.5	47	48	2.0	51	4.0	75	0	62
JAN											
07...	10	17	3.5	15	34	.9	20	5.2	57	0	47
FEB											
11...	31	21	4.6	28	45	1.4	31	2.9	49	0	40
MAR											
10...	49	32	8.0	50	48	2.0	53	3.4	78	0	64
APR											
07...	20	17	4.4	24	45	1.3	26	2.3	50	0	41
MAY											
08...	16	20	4.6	24	42	1.3	27	2.7	64	0	52
JUN											
04...	11	19	4.1	17	35	.9	19	2.4	65	0	53
JUL											
14...	100	66	19	110	49	3.1	120	5.6	173	0	142
AUG											
04...	150	89	28	160	50	3.8	160	4.8	234	0	192
SEP											
05...	160	85	30	180	52	4.3	190	6.0	212	0	174

DATE	CARBON DIOXIDE DISSOLVED (MG/L AS CO2)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	FLUORIDE, DISSOLVED (MG/L AS F)	SILICA, DISSOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L)	SOLIDS, DISSOLVED (TONS PER AC-FT)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)
OCT											
09...	41	71	100	.2	5.7	371	351	.50	.00	--	.11
NOV											
05...	8.4	86	130	.2	5.4	463	471	.63	--	.07	.07
DEC											
03...	9.8	47	71	.1	7.6	257	249	.35	.15	.13	.06
JAN											
07...	7.4	16	19	.1	7.2	122	111	.17	--	.31	.13
FEB											
11...	10	32	42	.1	6.6	164	162	.22	.20	--	.15
MAR											
10...	4.1	56	76	.1	5.7	285	269	.39	--	.08	.17
APR											
07...	10	19	35	.1	6.8	148	134	.20	--	.31	.25
MAY											
08...	13	27	33	.1	5.0	166	148	.23	.05	.08	--
JUN											
04...	3.4	19	22	.1	4.9	147	121	.20	.03	.06	.07
JUL											
14...	348	110	170	.4	5.5	568	572	.77	.02	.03	.31
AUG											
04...	9.4	160	260	.3	4.7	880	822	1.20	.00	.02	--
SEP											
05...	8.5	160	280	.3	2.8	852	851	1.16	.00	.00	.12

07355500 RED RIVER AT ALEXANDRIA, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS NH4)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS NH4)	NITRO- GEN, OHGANIC IOTAL (MG/L AS N)	NITRO- GEN, ORGANIC DIS- SOLVED (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN,NH4 + ORG. SUSP. TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC DIS. (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	NITHO- GEN, DIS- SOLVED (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS NO3)
OCT 09...	.01	.13	.01	1.5	1.2	1.6	.40	1.2	1.6	--	7.1
NOV 05...	.04	.08	.05	1.0	.62	1.1	.44	.66	--	.73	--
DEC 03...	.04	.07	.05	.90	.67	.96	.25	.71	1.1	.84	4.9
JAN 07...	.04	.16	.05	.97	.88	1.1	.18	.92	--	1.2	--
FEH 11...	--	.18	--	1.1	--	1.2	.31	.89	1.4	--	6.2
MAH 10...	.12	.21	.15	1.8	.98	2.0	.90	1.1	--	1.2	--
APR 07...	.20	.30	.26	.95	.66	1.2	.34	.86	--	1.2	--
MAY 08...	.30	--	.39	--	.70	.98	--	1.0	1.0	1.1	4.6
JUN 04...	.03	.08	.04	1.0	.65	1.1	.42	.68	1.1	.74	5.0
JUL 14...	.17	.38	.22	1.7	1.3	2.0	.50	1.5	2.0	1.5	8.9
AUG 04...	.12	--	.15	--	.88	1.3	.30	1.0	1.3	1.0	5.8
SEP 05...	.04	.15	.05	1.6	1.3	1.7	.40	1.3	1.7	1.3	7.5

DATE	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHOHUS TOTAL (MG/L AS PO4)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	SILVER, TOTAL RECOV- ERABLE (UG/L AS AG)	SILVER, SUS- PENDED RECOV- ERABLE (UG/L AS AG)	SILVER, DIS- SOLVED (UG/L AS AG)	CAHBON, ORGANIC TOTAL (MG/L AS C)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C)	CARBON, ORGANIC SUS- PENDED TOTAL (MG/L AS C)
OCT 09...	.110	.34	.010	0	0	0	--	--	--
NOV 05...	.530	1.6	.120	--	--	--	10	--	--
DEC 03...	.140	.43	.030	0	--	--	7.8	--	--
JAN 07...	.180	.55	.030	0	0	0	--	7.3	2.4
FEB 11...	.260	.80	.030	--	--	--	11	--	--
MAR 10...	.130	.40	.050	3	--	--	8.9	--	--
APR 07...	.190	.58	.100	0	0	0	--	11	1.4
MAY 08...	.110	.34	.020	0	--	--	11	--	--
JUN 04...	.160	.49	.020	--	--	--	9.4	--	--
JUL 14...	.120	.37	.090	0	0	0	--	14	1.8
AUG 04...	.130	.40	.030	0	--	--	8.9	--	--
SEP 05...	.120	.37	.020	--	--	--	11	--	--

07355500 RED RIVER AT ALEXANDRIA, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	ARSENIC TOTAL (UG/L AS AS)	ARSENIC SUS-PENDED TOTAL (UG/L AS AS)	ARSENIC DIS-SOLVED (UG/L AS AS)	BARIUM, TOTAL RECOV-ERABLE (UG/L AS BA)	BARIUM, SUS-PENDED RECOV-ERABLE (UG/L AS BA)	BARIUM, DIS-SOLVED (UG/L AS BA)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)	CADMIUM SUS-PENDED RECOV-ERABLE (UG/L AS CD)	CADMIUM DIS-SOLVED (UG/L AS CD)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR)
OCT										
09...	2	1	1	300	200	100	1	0	1	0
JAN										
07...	2	1	1	300	260	40	0	--	<1	10
APR										
07...	2	1	1	100	40	60	2	1	1	0
JUL										
14...	2	0	2	200	0	200	1	--	2	10

DATE	CHRO-MIUM, SUS-PENDED RECOV. (UG/L AS CR)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR)	COBALT, TOTAL RECOV-ERABLE (UG/L AS CO)	COBALT, SUS-PENDED RECOV-ERABLE (UG/L AS CO)	COBALT, DIS-SOLVED (UG/L AS CO)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	COPPER, SUS-PENDED RECOV-ERABLE (UG/L AS CU)	COPPER, DIS-SOLVED (UG/L AS CU)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	IRON, SUS-PENDED RECOV-ERABLE (UG/L AS FE)
OCT										
09...	0	0	2	--	3	4	2	2	1900	1900
JAN										
07...	10	0	5	2	3	3	3	0	7000	6900
APR										
07...	0	0	3	0	3	13	4	9	4600	4400
JUL										
14...	10	0	4	1	3	11	3	8	1500	1400

DATE	IRON, DIS-SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	LEAD, SUS-PENDED RECOV-ERABLE (UG/L AS PB)	LEAD, DIS-SOLVED (UG/L AS PB)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MANGA-NESE, SUS-PENDED RECOV. (UG/L AS MN)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	MERCURY SUS-PENDED RECOV-ERABLE (UG/L AS HG)	MERCURY DIS-SOLVED (UG/L AS HG)
OCT										
09...	20	12	12	0	180	180	3	.0	--	.1
JAN										
07...	130	9	8	1	250	240	10	.1	.1	.0
APR										
07...	200	6	6	0	150	140	10	.2	.0	.2
JUL										
14...	80	11	10	1	90	80	8	.2	.1	.1

DATE	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI)	NICKEL, SUS-PENDED RECOV-ERABLE (UG/L AS NI)	NICKEL, DIS-SOLVED (UG/L AS NI)	SELE-NIUM, TOTAL (UG/L AS SE)	SELE-NIUM, SUS-PENDED TOTAL (UG/L AS SE)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)	ZINC, SUS-PENDED RECOV-ERABLE (UG/L AS ZN)	ZINC, DIS-SOLVED (UG/L AS ZN)
OCT									
09...	5	3	2	0	0	0	10	1	9
JAN									
07...	9	9	0	0	0	0	30	20	8
APR									
07...	10	7	3	0	0	0	40	30	8
JUL									
14...	6	1	5	0	0	0	30	10	20

< Actual value is known to be less than the value shown.

07355500 RED RIVER AT ALEXANDRIA, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	GROSS ALPHA, DIS-SOLVED (UG/L AS U-NAT)	GROSS ALPHA, SUSP. TOTAL (UG/L AS U-NAT)	GROSS ALPHA, DIS-SOLVED (PCI/L AS U-NAT)	GROSS ALPHA, SUSP. TOTAL (PCI/L AS U-NAT)	GROSS BETA, DIS-SOLVED (PCI/L AS CS-137)	GROSS BETA, SUSP. TOTAL (PCI/L AS CS-137)	GROSS BETA, DIS-SOLVED (PCI/L AS SR/YT-90)	GROSS BETA, SUSP. TOTAL (PCI/L AS SR/YT-90)	RADIUM 226, DIS-SOLVED, RADON METHOD (PCI/L)	URANIUM DIS-SOLVED, EXTRAC-TION (UG/L)	PCB, TOTAL (UG/L)
NOV											
05...	--	--	--	--	--	--	--	--	--	--	ND
JAN											
07...	<1.8	7.7	<1.2	5.2	3.0	7.0	2.8	6.6	.06	.10	--
FEB											
11...	--	--	--	--	--	--	--	--	--	--	ND
JUL											
14...	<6.8	.9	<4.6	.6	8.6	1.2	8.3	1.1	.14	1.8	--

DATE	ALDRIN, TOTAL (UG/L)	CHLOR-DANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)	DDE, TOTAL (UG/L)	DDT, TOTAL (UG/L)	DI-AZINON, TOTAL (UG/L)	DI-ELDRIN TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ETHION, TOTAL (UG/L)	HEPTA-CHLOR, TOTAL (UG/L)	HEPTA-CHLOR EPOXIDE TOTAL (UG/L)
NOV											
05...	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
JAN											
07...	--	--	--	--	--	--	--	--	--	--	--
FEB											
11...	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
JUL											
14...	--	--	--	--	--	--	--	--	--	--	--

DATE	LINDANE TOTAL (UG/L)	MALA-THION, TOTAL (UG/L)	METH-OXY-CHLOR, TOTAL (UG/L)	METHYL PARA-THION, TOTAL (UG/L)	METHYL TRI-THION, TOTAL (UG/L)	PARA-THION, TOTAL (UG/L)	TOX-APHENE, TOTAL (UG/L)	TOTAL TRI-THION (UG/L)	2,4-D, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
NOV											
05...	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
JAN											
07...	--	--	--	--	--	--	--	--	--	--	--
FEB											
11...	ND	ND	ND	ND	ND	ND	ND	ND	--	--	--
JUL											
14...	--	--	--	--	--	--	--	--	--	--	--

< Actual value is known to be less than the value shown.

ND Material specifically analyzed for but not detected.

07355500 RED RIVER AT ALEXANDRIA, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	STREAMFLOW, INSTANTANEOUS (CFS)	PHYTOPLANKTON, TOTAL (CELLS PER ML)	SEDIMENT, SUSPENDED (MG/L)	SEDIMENT DISCHARGE, SUSPENDED (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT					
09...	--	--	346	--	59
11...	13900	--	236	8860	63
NOV					
05...	--	490000	323	--	41
08...	8900	--	249	5980	58
29...	14600	--	285	11200	70
DEC					
03...	--	--	122	--	96
13...	14600	--	560	22100	99
JAN					
07...	--	--	130	--	98
FEB					
11...	--	--	122	--	46
MAR					
10...	--	17000	629	--	66
APR					
07...	--	--	365	--	67
MAY					
08...	--	36000	402	--	60
JUN					
04...	--	19000	620	--	75
JUL					
14...	--	100000	--	--	--
14...	--	--	185	--	92
AUG					
01...	--	--	252	--	92
SEP					
05...	--	--	130	--	92

07355500 RED RIVER AT ALEXANDRIA, LA--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	698	799	499	548	239	388	---	217	194	653	1240	1710
2	621	791	575	326	235	374	237	---	202	632	1160	1690
3	596	787	439	242	249	368	193	298	202	648	1480	1660
4	624	841	435	257	262	339	180	352	218	657	1550	1620
5	728	835	414	233	273	346	199	362	300	670	1550	1480
6	702	857	390	218	291	406	256	279	307	694	1530	1620
7	671	893	358	203	288	459	273	251	383	701	1510	1630
8	660	833	358	204	273	434	207	270	457	753	1440	1200
9	661	673	355	210	232	499	227	338	335	809	1360	1080
10	681	649	358	225	291	509	244	316	340	924	1350	1150
11	747	635	358	250	315	524	242	276	314	954	1420	740
12	808	618	366	255	271	618	247	238	312	995	1320	684
13	813	611	298	234	240	643	245	226	1080	1020	1290	695
14	817	584	263	219	248	549	242	331	1260	991	1400	629
15	815	540	227	207	272	591	232	371	1270	947	1530	577
16	872	478	259	209	260	606	243	236	1230	906	1660	544
17	897	443	288	221	214	574	207	373	1130	953	1580	523
18	886	481	307	236	242	501	182	175	1120	975	1500	509
19	948	498	341	255	221	429	189	176	1060	1090	1460	507
20	957	501	496	269	211	466	179	171	1170	1320	1380	519
21	959	564	573	291	200	449	184	169	1270	1370	1320	600
22	973	515	479	297	241	329	204	172	1370	1220	1140	666
23	908	413	349	262	217	250	167	175	1380	1130	1250	707
24	908	374	325	271	218	236	164	200	1270	1330	1260	830
25	965	354	311	297	205	231	172	180	1240	1560	1450	1020
26	1010	311	268	254	206	259	180	187	1130	1310	1580	1070
27	1040	371	233	283	212	255	179	176	1160	1400	1710	1200
28	1110	377	242	231	227	250	173	168	972	1240	1690	1370
29	1040	357	252	208	247	217	192	164	767	1210	1680	1480
30	959	377	283	204	---	196	208	160	740	1180	1650	1470
31	853	---	383	220	---	218	---	162	---	1170	1640	---

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	23.0	19.0	9.5	10.0	7.0	11.0	---	19.5	26.5	31.0	30.0	28.0
2	25.0	18.0	9.5	9.0	7.0	8.0	16.0	---	26.0	31.0	30.0	28.0
3	24.0	17.0	9.0	10.0	6.5	8.0	16.5	20.5	27.0	31.0	30.0	28.0
4	24.0	16.0	8.5	10.0	6.0	9.5	17.0	20.5	27.0	31.0	29.0	28.5
5	22.0	16.0	8.0	9.0	7.0	9.5	17.0	20.0	27.0	31.5	29.0	27.5
6	22.0	17.0	9.0	8.0	7.0	9.5	17.5	22.0	28.0	31.5	28.5	27.0
7	22.0	16.0	9.5	10.0	6.0	12.5	18.0	20.5	28.0	32.0	29.0	27.0
8	23.0	15.5	9.5	8.5	6.5	14.5	19.0	23.0	28.0	31.0	29.0	27.0
9	25.0	17.0	9.5	9.0	6.5	13.0	---	23.0	27.0	32.0	29.0	28.5
10	22.0	16.0	8.5	9.0	5.5	14.0	18.0	21.5	26.0	31.5	29.0	28.0
11	22.5	15.0	11.0	10.0	5.0	14.5	19.0	21.5	26.0	32.5	29.5	28.0
12	20.0	14.0	11.0	9.5	6.0	15.0	19.0	23.0	26.0	32.0	29.5	28.5
13	21.0	13.5	13.0	9.0	5.5	15.0	17.0	23.0	26.0	32.0	30.0	28.5
14	19.5	13.0	12.0	9.5	6.5	13.0	15.0	23.0	26.5	32.0	30.0	29.0
15	19.0	12.5	11.5	10.5	7.0	14.0	---	23.0	26.0	32.0	30.0	28.5
16	20.0	12.5	11.5	10.5	8.0	15.5	15.0	20.0	27.0	32.0	29.0	29.0
17	20.5	12.5	9.5	12.0	6.0	16.5	16.0	23.5	27.5	32.0	29.5	29.0
18	21.0	12.0	9.0	12.5	6.0	15.0	16.0	21.5	28.0	31.0	28.5	28.0
19	21.5	14.0	8.0	10.5	7.0	15.0	15.5	23.0	29.0	30.5	29.0	27.5
20	22.0	15.0	9.0	12.5	7.5	15.5	16.0	23.5	28.0	30.5	29.0	28.0
21	23.0	15.0	9.0	13.0	10.0	14.0	17.0	23.0	27.0	30.0	29.5	28.0
22	23.5	16.0	10.5	14.0	10.5	---	18.5	23.0	28.0	30.5	30.0	28.0
23	20.5	13.0	13.5	11.0	11.5	14.5	19.0	23.0	28.0	30.0	30.0	28.0
24	19.0	11.5	12.0	10.0	12.0	14.5	20.5	23.5	28.5	29.5	28.5	28.0
25	19.0	12.5	12.5	11.0	12.0	14.5	21.0	24.5	28.5	29.5	28.5	28.5
26	18.5	12.5	11.0	10.5	10.5	15.0	20.0	25.0	28.0	30.0	29.0	26.0
27	19.0	13.5	11.5	10.0	11.5	15.0	19.0	25.0	29.5	30.0	28.0	24.0
28	19.5	13.0	11.5	9.5	12.0	14.5	18.0	25.5	30.0	29.0	28.0	23.0
29	20.5	12.5	11.0	9.0	13.0	15.5	18.5	25.5	30.0	28.5	27.0	25.0
30	21.0	11.0	10.5	9.5	---	14.5	19.5	26.5	30.0	29.5	27.0	24.0
31	21.0	---	10.0	8.0	---	15.0	---	26.5	---	30.0	27.0	---

07355500 RED RIVER AT ALEXANDRIA, LA--Continued

CHLORIDE, DISSOLVED (MG/L), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	100	100	78	35	55	60	30	40	26	130	250	300
2	100	110	78	40	40	55	25	40	24	140	260	300
3	100	130	78	30	30	55	45	50	21	120	260	280
4	100	120	72	30	40	50	20	55	26	120	300	250
5	130	130	60	35	45	50	30	45	44	140	260	270
6	120	130	62	30	45	65	25	55	44	150	290	250
7	130	130	58	---	50	65	35	35	75	110	240	280
8	110	130	48	35	40	60	30	40	67	130	220	190
9	110	110	44	50	25	80	35	45	44	130	280	190
10	120	110	50	45	50	80	35	45	41	160	180	200
11	120	90	42	40	45	90	30	35	39	160	220	120
12	130	90	42	40	25	110	25	30	80	160	200	110
13	140	90	26	45	35	95	25	35	220	170	200	110
14	140	90	24	30	35	95	30	35	240	150	270	100
15	140	90	22	30	30	95	40	50	240	150	290	90
16	140	70	26	30	35	110	30	60	240	150	290	80
17	150	75	26	25	25	85	30	25	210	150	310	80
18	160	70	28	30	30	65	25	20	220	150	250	60
19	160	70	42	25	30	60	25	15	200	190	280	80
20	160	70	70	40	25	75	20	15	220	220	220	80
21	160	75	70	35	25	65	15	20	250	200	210	90
22	140	65	42	---	25	60	25	25	260	240	190	100
23	140	35	42	30	20	30	20	25	270	190	---	110
24	160	40	40	30	30	35	20	25	230	250	---	130
25	160	40	42	35	25	---	20	20	230	290	210	150
26	160	45	26	35	30	40	20	20	220	250	300	180
27	170	40	30	35	20	30	20	20	190	210	300	220
28	170	45	30	25	30	30	25	20	170	230	300	250
29	160	40	30	30	25	25	20	15	140	220	300	250
30	150	35	28	20	---	50	30	15	130	190	310	240
31	150	---	30	20	---	25	---	20	---	190	270	---

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY), WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1000	1000	27000	14000	144000	181000	155000	97000	236000	27000	6000	2000
2	1000	1000	23000	26000	129000	207000	195000	80000	236000	24000	12000	2000
3	1000	1000	21000	34000	116000	230000	283000	66000	236000	20000	16000	2000
4	1000	1000	22000	37000	106000	253000	437000	71000	235000	19000	20000	2000
5	1000	1000	23000	37000	99000	262000	574000	72000	229000	17000	21000	3000
6	1000	1000	21000	42000	92000	275000	674000	84000	224000	14000	22000	4000
7	1000	1000	18000	80000	93000	289000	654000	107000	223000	12000	20000	4000
8	1000	2000	19000	111000	94000	271000	608000	130000	217000	10000	18000	4000
9	1000	2000	17000	129000	102000	279000	541000	149000	207000	8000	18000	3000
10	1000	2000	16000	128000	102000	257000	473000	151000	190000	8000	19000	2000
11	1000	2000	17000	119000	98000	236000	420000	143000	181000	7000	19000	2000
12	1000	2000	20000	110000	91000	203000	366000	129000	170000	6000	17000	2000
13	1000	2000	24000	98000	80000	173000	321000	118000	145000	7000	14000	2000
14	1000	2000	25000	90000	72000	146000	291000	105000	109000	7000	12000	2000
15	1000	2000	22000	82000	64000	121000	252000	88000	105000	6000	9000	2000
16	1000	2000	20000	72000	57000	102000	209000	74000	113000	6000	8000	2000
17	1000	2000	19000	63000	53000	88000	169000	82000	125000	6000	7000	2000
18	1000	2000	17000	54000	56000	74000	138000	83000	138000	6000	6000	2000
19	1000	2000	14000	48000	62000	62000	117000	82000	145000	4000	6000	2000
20	1000	3000	11000	75000	63000	52000	106000	80000	160000	5000	5000	3000
21	1000	20000	7000	117000	63000	44000	100000	78000	172000	5000	4000	11000
22	1000	96000	6000	165000	58000	37000	95000	76000	170000	5000	4000	11000
23	1000	132000	5000	202000	58000	41000	97000	74000	168000	5000	3000	11000
24	1000	123000	4000	213000	86000	43000	107000	72000	145000	4000	3000	11000
25	1000	108000	3000	206000	106000	51000	120000	64000	121000	4000	3000	11000
26	1000	89000	3000	198000	117000	64000	131000	55000	92000	3000	3000	11000
27	1000	72000	3000	194000	120000	91000	142000	96000	68000	4000	3000	9000
28	1000	54000	3000	198000	143000	114000	139000	158000	50000	4000	2000	9000
29	1000	42000	3000	190000	---	132000	132000	199000	38000	4000	2000	9000
30	1000	33000	3000	175000	---	139000	115000	225000	31000	4000	2000	9000
31	1000	---	6000	157000	---	143000	---	241000	---	5000	2000	---

07355500 RED RIVER AT ALEXANDRIA, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	INSTAN-TANEOUS DIS-CHARGE (CFS)	SUS-PENDED SEDI-MENT (MG/L)	SUS-PENDED SEDI-MENT DIS-CHARGE (T/DAY)	SUS. SED. SIEVE DIAM. % FINER THAN .062 MM
OCT					
16...	1115	3600	143	1390	96
26...	1115	3600	102	991	94
NOV					
09...	1115	3700	156	1560	93
13...	1730	--	210	--	95
22...	1115	22900	1556	96200	85
DEC					
05...	1730	--	181	--	92
07...	1115	15900	417	17900	71
21...	1115	12700	215	7370	88
JAN					
04...	1115	24800	557	37300	71
17...	1000	--	105	--	90
25...	1115	79100	967	207000	77
FEB					
06...	1030	--	94	--	97
08...	1115	70400	494	93900	96
22...	1115	33300	646	58100	71
MAR					
08...	0815	--	1267	--	82
09...	1115	89700	1154	279000	87
22...	1115	33300	413	37100	92
APR					
02...	1500	--	486	--	78
06...	1115	114000	2192	675000	79
19...	1115	71000	612	117000	85
MAY					
03...	1115	52300	468	66100	87
14...	1330	--	498	--	79
17...	1115	54600	554	81700	77
31...	1115	71000	1261	242000	86
JUN					
04...	1300	--	808	--	93
14...	1115	65500	618	109000	88
27...	1115	27800	903	67800	84
JUL					
09...	1600	--	259	--	94
19...	1115	9800	168	4450	86
AUG					
02...	1115	15700	285	12100	85
06...	1245	--	506	--	92
16...	1115	15000	204	8260	78
30...	1115	6600	104	1850	85
SEP					
04...	1330	--	221	--	92
13...	1115	5600	155	2340	88

07355500 RED RIVER AT ALEXANDRIA, LA--Continued

PHYTOPLANKTON ANALYSES, OCTOBER 1979 TO JULY 1980

DATE TIME	NOV 5,79 1430	MAR 10,80 1600	MAY 8,80 1100	JUN 4,80 1730	JUL 14,80 1215
TOTAL CELLS/ML	490000	17000	36000	19000	100000
DIVERSITY: DIVISION	0.2	1.1	1.5	1.5	0.4
.CLASS	0.2	1.1	1.5	1.5	0.4
..ORDER	0.6	1.6	1.7	1.7	0.6
...FAMILY	0.7	1.7	2.0	1.7	0.6
....GENUS	0.7	1.8	2.6	3.5	1.2

ORGANISM	CELLS /ML	PER-CENT	CELLS /ML	PER-CENT	CELLS /ML	PER-CENT	CELLS /ML	PER-CENT	CELLS /ML	PER-CENT
CHLOROPHYTA (GREEN ALGAE)										
.CHLOROPHYCEAE										
..CHLOROCOCCALES										
...COELASTRACEAE										
....COELASTRUM	--	-	--	-	--	-	580	3	--	-
...HYDRODICTYACEAE										
....PEDIASTRUM	--	-	--	-	--	-	1000	5	--	-
...OOCYSTACEAE										
....ANKISTRODESMUS	2800	1	86	1	1500	4	120	1	*	0
....CHLORELLA	--	-	--	-	*	0	230	1	--	-
....CHODATELLA	*	0	--	-	--	-	--	-	--	-
....CLOSTERIOPSIS	--	-	*	0	--	-	*	0	--	-
....DICTYOSPHAERIUM	*	0	--	-	2000	6	3500#	18	--	-
....KIRCHNERIELLA	--	-	--	-	210	1	460	2	--	-
....OOCYSTIS	*	0	340	2	1800	5	920	5	*	0
....TETRAEDRON	--	-	--	-	*	0	--	-	--	-
...SCENEDESMACEAE										
....ACTINASTRUM	--	-	--	-	860	2	1400	7	--	-
....CRUCIGENIA	*	0	--	-	--	-	--	-	--	-
....SCENEDESMUS	*	0	--	-	1100	3	1200	6	*	0
....TETRASTRUM	*	0	--	-	430	1	--	-	--	-
..VOLVOCALES										
...CHLAMYDOMONADACEAE										
....CHLAMYDOMONAS	*	0	520	3	--	-	*	0	*	0
..ZYGNEMATALES										
...DESMIDIACEAE										
....COSMARIUM	*	0	--	-	--	-	--	-	--	-
CHRYSOPHYTA										
.BACILLARIOPHYCEAE										
..CENTRALES										
...COSCINODISCACEAE										
....COSCINODISCUS	*	0	--	-	210	1	1200	6	--	-
....CYCLOTELLA	4700	1	2800#	17	2400	7	1200	6	2300	2
....MELOSIRA	*	0	600	4	6000#	17	4100#	22	3100	3
....STEPHANODISCUS	*	0	--	-	--	-	--	-	--	-
..PENNALES										
...ACHNANTHACEAE										
....ACHNANTHES	--	-	--	-	210	1	--	-	--	-
...FRAGILARIACEAE										
....SYNEDRA	--	-	130	1	320	1	*	0	*	0
...NAVICULACEAE										
....NAVICULA	--	-	--	-	*	0	--	-	--	-
...NITZSCHIACEAE										
....NITZSCHIA	*	0	430	3	640	2	460	2	1300	1
.CHRYSOPHYCEAE										
..CHRYSOMONADALES										
...OCHROMONADACEAE										
....OCHROMONAS	--	-	--	-	*	0	--	-	--	-

NOTE: # - DOMINANT ORGANISM; EQUAL TO OR GREATER THAN 15%
* - OBSERVED ORGANISM, MAY NOT HAVE BEEN COUNTED; LESS THAN 1/2%

07355500 RED RIVER AT ALEXANDRIA, LA--Continued

PHYTOPLANKTON ANALYSES, OCTOBER 1979 TO JULY 1980--Continued

DATE TIME	NOV 5,79 1430		MAR 10,80 1600		MAY 8,80 1100		JUN 4,80 1730		JUL 14,80 1215	
ORGANISAM	CELLS /ML	PER-CENT	CELLS /ML	PER-CENT	CELLS /ML	PER-CENT	CELLS /ML	PER-CENT	CELLS /ML	PER-CENT
CRYPTOPHYTA (CRYPTOMONADS)										
.CRYPTOPHYCEAE										
..CRYPTOMONADALES										
...CRYPTOCHRYSIDACEAE										
....CHROOMONAS	--	-	--	-	*	0	--	-	--	-
CYANOPHYTA (BLUE-GREEN ALGAE)										
.CYANOPHYCEAE										
..CHROOCOCCALES										
...CHROOCOCCACEAE										
....AGMENELLUM	28000	6	--	-	--	-	--	-	1400	1
....ANACYSTIS	*	0	1300	8	210	1	1800	9	--	-
..HORMOGONALES										
...NOSTOCACEAE										
....ANABAENA	4300	1	--	-	--	-	580	3	80000#	77
...OSCILLATORIACEAE										
....OSCILLATORIA	440000#	90	10000#	63	18000#	49	--	-	15000	15
EUGLENOPHYTA (EUGLENOIDS)										
.EUGLENOPHYCEAE										
..EUGLENALES										
...EUGLENACEAE										
....EUGLENA	--	-	--	-	--	-	120	1	*	0
....TRACHELOMONAS	*	0	--	-	--	-	--	-	--	-

NOTE: # - DOMINANT ORGANISM; EQUAL TO OR GREATER THAN 15%
* - OBSERVED ORGANISM, MAY NOT HAVE BEEN COUNTED; LESS THAN 1/2%

07355600 RED RIVER AT MONCLA, LA (CE 04657)

LOCATION.--Lat 31°12'10", long 92°08'30", T.3 N., R.3 W., Avoyelles Parish, Hydrologic Unit 08040301, near center of span on downstream side of bridge on State Highway 115, 1.4 mi (2.3 km) west of Moncla, at mile 74.0.

DRAINAGE AREA.--67,625 mi² (175,149 km²), of which 5,936 mi² (15,374 km²) above Denison Dam is noncontributing.

PERIOD OF RECORD.--Water years 1973 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	TEMPER-ATURE, WATER (DEG C)	COLOR (PLAT-INUM COBALT UNITS)	TUR-BID-ITY (JTU)	SETTLE-ABLE MATTER (ML/L/HR)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, CHEM-ICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLI-FORM, TOTAL, IMMED. (COLS. PER 100 ML)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./100 ML)
OCT 09...	1145	651	6.6	28.5	20	40	<1.0	9.0	42	2.8	K100	K220
NOV 05...	1130	804	7.6	19.0	50	55	<1.0	10.5	37	3.9	1100	120
DEC 06...	1000	433	7.2	11.5	40	35	<1.0	11.2	32	3.9	K600	K80
JAN 10...	1230	202	7.2	8.0	70	110	<1.0	9.6	29	1.8	K200	1000
FEB 11...	1200	296	6.9	6.0	120	170	<1.0	12.8	47	6.1	10000	K1600
MAR 10...	1300	513	7.4	17.0	20	45	<1.0	10.4	46	9.1	2000	K60
APR 07...	1100	263	6.3	19.5	70	55	<1.0	8.2	34	2.9	340	92
MAY 08...	1230	261	6.8	23.5	60	60	<1.0	7.4	38	2.0	780	120
JUN 05...	1100	254	7.7	29.0	60	55	<1.0	7.6	33	2.9	K850	K85
JUL 17...	1015	865	7.8	33.0	20	25	<1.0	7.5	36	--	--	--
AUG 07...	1030	1530	7.9	32.0	15	15	<1.0	8.8	34	4.7	K30	K5
SEP 05...	0945	1620	8.0	29.0	5	20	<1.0	8.4	26	2.4	--	--

DATE	HARD-NESS (MG/L AS CACO3)	HARD-NESS, NONCAR-BONATE (MG/L CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	BICAR-BONATE (MG/L AS HCO3)	CAR-BONATE (MG/L AS CO3)	ALKA-LINITY (MG/L AS CACO3)	CARBON DIOXIDE DIS-SOLVED (MG/L AS CO2)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)
OCT 09...	130	56	38	9.2	94	0	77	38	71	110	75	.00
NOV 05...	220	65	60	16	184	0	151	7.4	81	120	86	.03
DEC 06...	110	34	29	8.1	87	0	71	8.7	41	58	45	.07
JAN 10...	58	16	17	3.7	51	0	42	5.1	19	24	310	.14
FEB 11...	68	29	20	4.5	48	0	39	9.9	34	44	412	.15
MAR 10...	120	56	33	8.3	74	0	61	4.7	58	78	83	.01
APR 07...	61	21	17	4.6	49	0	40	40	25	35	154	.02
MAY 08...	69	19	20	4.6	61	0	50	15	26	30	139	.05
JUN 05...	71	16	21	4.6	68	0	56	2.2	19	23	133	.00
JUL 17...	220	70	60	17	183	0	150	4.6	89	140	75	.00
AUG 07...	340	140	90	29	248	0	203	5.0	170	270	10	.00
SEP 05...	350	170	92	29	217	0	178	3.5	170	290	42	.00

< Actual value is known to be less than the value shown.

K Results based on colony count outside the acceptable range (non-ideal count).

07355600 RED RIVER AT MONCLA, LA (CE 04657)--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	PHOS-PHORUS, TOTAL (MG/L AS PO4)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC SUS-PENDED TOTAL (UG/L AS AS)	ARSENIC DIS-SOLVED (UG/L AS AS)	BERYL-LIUM, TOTAL RECOV-ERABLE (UG/L AS BE)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)	CADMIUM SUS-PENDED RECOV-ERABLE (UG/L AS CD)
OCT 09...	.04	.04	1.9	.120	.37	1	0	1	0	<1	1	0
NOV 05...	.01	.04	.58	.140	.43	2	1	1	0	<1	0	--
DEC 06...	.01	.08	.83	.070	.21	1	0	1	0	<1	0	--
JAN 10...	.08	.22	.82	.160	.49	2	1	1	0	<1	0	--
FEB 11...	.04	.19	.54	.260	.80	2	1	1	0	<1	3	2
MAR 10...	.02	.03	.80	.150	.46	1	1	0	0	<1	1	0
APR 07...	.02	.04	1.1	.150	.46	2	1	1	0	<1	3	2
MAY 08...	.02	.07	1.0	.110	.34	2	1	1	0	<1	1	0
JUN 05...	.02	.02	.71	.160	.49	2	1	1	0	<1	1	--
JUL 17...	.00	.00	.73	.150	.46	2	0	2	0	<1	0	--
AUG 07...	.01	.01	.59	.130	.40	2	0	2	10	<1	0	--
SEP 05...	.01	.01	1.3	.140	.43	2	0	2	0	<1	0	--

DATE	CADMIUM DIS-SOLVED (UG/L AS CD)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR)	CHRO-MIUM, HEXA-VALENT, DIS. (UG/L AS CR)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	COPPER, SUS-PENDED RECOV-ERABLE (UG/L AS CU)	COPPER, DIS-SOLVED (UG/L AS CU)	IRON, DIS-SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	LEAD, SUS-PENDED RECOV-ERABLE (UG/L AS PB)	LEAD, DIS-SOLVED (UG/L AS PB)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	MERCURY SUS-PENDED RECOV-ERABLE (UG/L AS HG)
OCT 09...	1	0	0	5	5	0	10	9	9	0	.1	.1
NOV 05...	<1	0	0	4	2	2	20	7	7	0	.0	.0
DEC 06...	<1	0	0	5	--	6	130	5	3	2	.1	.1
JAN 10...	<1	0	0	2	2	0	140	11	11	0	.0	.0
FEB 11...	1	10	0	24	20	4	70	10	10	0	.2	--
MAR 10...	1	30	0	21	15	6	110	7	4	3	.5	.1
APR 07...	1	0	0	16	12	4	100	11	11	0	.1	--
MAY 08...	1	0	0	9	4	5	150	11	9	2	.1	.1
JUN 05...	2	0	0	14	12	2	130	11	11	0	.3	.3
JUL 17...	<1	10	0	6	2	4	10	32	29	3	.1	.0
AUG 07...	2	10	0	5	1	4	10	8	3	5	.1	.1
SEP 05...	<1	0	0	9	7	2	10	11	11	0	.1	.0

< Actual value is known to be less than the value shown.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	MERCURY, DIS-SOLVED (UG/L AS HG)	NICKEL, TOTAL RECOV-ERABLF (UG/L AS NI)	NICKEL, SUS-PENDED RECOV-ERABLE (UG/L AS NI)	NICKEL, DIS-SOLVED (UG/L AS NI)	SELE-NIUM, TOTAL (UG/L AS SE)	SELE-NIUM, SUS-PENDED TOTAL (UG/L AS SE)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)	VANA-DIUM, DIS-SOLVED (UG/L AS V)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)	ZINC, SUS-PENDED RECOV-ERABLE (UG/L AS ZN)	ZINC, DIS-SOLVED (UG/L AS ZN)
OCT 09...	.0	4	1	3	0	0	0	--	40	30	6
NOV 05...	.0	6	5	1	0	0	0	--	0	--	3
DEC 06...	.0	8	8	0	0	0	0	1.0	20	10	9
JAN 10...	.0	5	5	0	0	0	0	1.0	20	10	10
FEB 11...	.3	33	27	6	0	0	0	.0	40	30	8
MAR 10...	.4	11	9	2	0	0	0	1.0	40	30	10
APR 07...	.2	8	2	6	0	0	0	1.0	30	30	4
MAY 08...	.0	8	4	4	0	0	0	.0	40	40	5
JUN 05...	.0	7	5	2	0	0	0	1.0	10	5	5
JUL 17...	.1	4	1	3	0	0	0	--	20	10	7
AUG 07...	.0	3	0	3	0	0	0	--	10	3	7
SEP 05...	.1	7	4	3	0	0	0	--	40	20	20

DATE	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	OIL AND GREASE, TOTAL RECOV. GRAVI-METRIC (MG/L)	PCB, TOTAL (UG/L)	PCB, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	NAPH-THA-LENES, POLY-CHLOR. TOTAL (UG/L)	PCN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	CHLOR-DANE, TOTAL (UG/L)
OCT 09...	--	.00	4	0	.0	0	.00	.0	.000	.0	.0
NOV 05...	11	.00	8	0	.0	--	.00	--	.000	--	.0
DEC 06...	10	.00	1	0	.0	--	.00	--	.000	--	.0
JAN 10...	8.5	.00	0	5	.0	0	.00	.0	.000	.0	.0
FEB 11...	14	.00	1	0	.0	--	.00	--	.000	--	.0
MAR 10...	8.3	.00	1	0	.0	--	.00	--	.000	--	.0
APR 07...	12	.00	0	0	.0	0	.00	.0	.000	.0	.0
MAY 08...	14	.00	0	1	.0	--	.00	--	.000	--	.0
JUN 05...	13	.00	6	2	.0	--	.00	--	.000	--	.0
JUL 17...	12	.00	2	0	.0	0	.00	.0	.000	.0	.0
AUG 07...	14	.00	1	0	.0	--	.00	--	.000	--	.0
SEP 05...	11	.01	3	0	.0	--	.00	--	.000	--	.0

07355600 RED RIVER AT MONCLA, LA (CE 04657)--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	CHLOR- DANE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDE, TOTAL (UG/L)	DDE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- AZINON, TOTAL (UG/L)	DI- AZINON, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- ELDRIN TOTAL (UG/L)	DI- ELDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
OCT											
09...	0	.000	.0	.000	.0	.020	.0	.02	.0	.030	.0
NOV											
05...	--	.000	--	.000	--	.000	--	.01	--	.000	--
DEC											
06...	--	.000	--	.000	--	.000	--	.00	--	.000	--
JAN											
10...	0	.000	.0	.000	.1	.000	.2	.00	.0	.000	.0
FEB											
11...	--	.000	--	.000	--	.002	--	.00	--	.002	--
MAR											
10...	--	.000	--	.000	--	.000	--	.00	--	.000	--
APR											
07...	2	.000	.8	.000	1.6	.001	1.6	.00	.0	.000	.0
MAY											
08...	--	.000	--	.000	--	.000	--	.00	--	.002	--
JUN											
05...	--	.000	--	.000	--	.000	--	.00	--	.002	--
JUL											
17...	0	.000	.0	.000	.2	.000	.0	.02	.0	.001	.0
AUG											
07...	--	.000	--	.000	--	.000	--	.00	--	.000	--
SEP											
05...	--	.000	--	.000	--	.000	--	.00	--	.000	--

DATE	ENDO- SULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ENDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ETHION, TOTAL (UG/L)	ETHION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR, TOTAL (UG/L)	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR EPOXIDE TOTAL (UG/L)	HEPTA- CHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
OCT											
09...	.000	.000	.0	.00	.0	.000	.0	.000	.0	.000	.0
NOV											
05...	.000	.000	--	.00	--	.000	--	.000	--	.000	--
DEC											
06...	.000	.000	--	.00	--	.000	--	.000	--	.000	--
JAN											
10...	.000	.000	.0	.00	.0	.000	.0	.000	.0	.000	.1
FEB											
11...	.000	.000	--	.00	--	.000	--	.000	--	.000	--
MAR											
10...	.000	.000	--	.00	--	.000	--	.000	--	.000	--
APR											
07...	.000	.000	.0	.00	.0	.000	.0	.000	.0	.000	.0
MAY											
08...	.000	.000	--	.00	--	.000	--	.000	--	.000	--
JUN											
05...	.000	.000	--	.00	--	.000	--	.000	--	.000	--
JUL											
17...	.000	.000	.0	.00	.0	.000	.0	.000	.0	.000	.0
AUG											
07...	.000	.000	--	.00	--	.000	--	.000	--	.000	--
SEP											
05...	.000	.000	--	.00	--	.000	--	.000	--	.000	--

07355600 RED RIVER AT MONCLA, LA (CE 04657)--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	MALA-THION, TOTAL (UG/L)	MALA-THION, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	METH-OXY-CHLOR, TOTAL (UG/L)	METH-OXY-CHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARA-THION, TOTAL (UG/L)	METHYL PARA-THION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRI-THION, TOTAL (UG/L)	METHYL TRI-THION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, TOTAL (UG/L)	MIREX, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)
OCT 09...	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0
NOV 05...	.00	--	.00	--	.00	--	.00	--	.00	--
DEC 06...	.00	--	.00	--	.00	--	.00	--	.00	--
JAN 10...	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0
FEB 11...	.00	--	.00	--	.00	--	.00	--	.00	--
MAR 10...	.00	--	.00	--	.00	--	.00	--	.00	--
APR 07...	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0
MAY 08...	.00	--	.00	--	.00	--	.00	--	.00	--
JUN 05...	.00	--	.00	--	.00	--	.00	--	.00	--
JUL 17...	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0
AUG 07...	.00	--	.00	--	.00	--	.00	--	.00	--
SEP 05...	.00	--	.00	--	.00	--	.00	--	.00	--

DATE	PARA-THION, TOTAL (UG/L)	PARA-THION, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	PER-THANE TOTAL (UG/L)	TOX-APHENE, TOTAL (UG/L)	TOXA-PHENE, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	TOTAL TRI-THION (UG/L)	TRI-THION, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	2,4-D, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
OCT 09...	.00	.0	.00	.0	0	.00	.0	.00	.00	.00
NOV 05...	.00	--	.00	.0	--	.00	--	.02	.00	.00
DEC 06...	.00	--	.00	.0	--	.00	--	.00	.00	.00
JAN 10...	.00	.0	.00	.0	0	.00	.0	.01	.00	.00
FEB 11...	.00	--	.00	.0	--	.00	--	.01	.00	.00
MAR 10...	.00	--	.00	.0	--	.00	--	.00	.00	.00
APR 07...	.00	.0	.00	.0	0	.00	.0	.02	.00	.00
MAY 08...	.00	--	.00	.0	--	.00	--	.03	.00	.00
JUN 05...	.00	--	.00	.0	--	.00	--	.04	.00	.00
JUL 17...	.00	.0	.00	.0	0	.00	.0	.00	.00	.00
AUG 07...	.00	--	.00	.0	--	.00	--	.00	.00	.00
SEP 05...	.00	--	.00	.0	--	.00	--	.00	.00	.00

07355650 LARTO LAKE AT DAM, NEAR ACME, LA

LOCATION.--Lat 31°20'01", long 91°56'10", in SW¼ sec.11, T.4 N., R.5 E., Catahoula Parish, Hydrologic Unit 08040301, at dam 3.0 mi (4.8 km) west of Argo, 4.2 mi (6.8 km) upstream from mouth of Larto Bayou, and 7.7 mi (12.4 km) northwest of Acme.

DRAINAGE AREA.--291 mi^2 (754 km^2).

PERIOD OF RECORD.--December 1968 to September 1976 (gage heights only), October 1976 to September 1977 and December 1978 to current year (elevations only).

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929. Prior to Oct. 1, 1976 at datum 33.00 ft (10.058 m) higher.

REMARKS.--Reservoir is formed from a natural oxbow lake by an earthfill dam, completed in 1959. The dam consists of a 57-ft (17.4 m) concrete spillway and a 10-ft (3.0 m) wide timber gate. The crest of the dam is at an elevation of 45.45 ft (13.853 m), and the invert of the spillway is at 36.95 ft (11.262 m). The capacity at elevation of 36.95 ft (11.262 m) is estimated to be 15,000 acre-ft (18.5 hm^3). Outflow between elevation of 30.95 ft (9.434 m) and 36.95 ft (11.262 m) is regulated by the timber gate. Lake is used for recreation.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 59.26 ft (18.062 m) present datum, from floodmark, occurred during period May 14-18, 1973; minimum not determined.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 46.14 ft (14.063 m) Apr. 21; minimum, 35.70 ft (10.881 m) Sept. 28.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
INSTANTANEOUS OBSERVATIONS AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	37.73	37.14	38.25	37.73	38.19	37.65	41.51	44.98	37.67	37.05	36.64	36.08
2	37.67	37.13	38.15	37.66	38.12	37.49	41.98	44.66	37.63	37.04	36.62	36.08
3	37.58	37.17	38.01	37.62	38.07	37.42	42.45	44.41	37.59	37.00	36.60	36.05
4	37.53	37.16	37.91	37.61	38.00	37.42	42.98	44.12	37.55	36.96	36.57	36.06
5	37.46	37.15	37.83	37.54	37.86	37.50	43.44	43.84	37.51	36.94	36.56	36.01
6	37.40	37.14	37.77	37.49	37.84	37.46	43.82	43.52	37.45	36.93	36.55	36.03
7	37.37	37.11	37.70	37.49	37.77	37.44	44.10	43.09	37.42	36.90	36.53	36.03
8	37.33	37.08	37.65	37.46	37.74	37.47	44.27	42.57	37.40	36.89	36.51	36.03
9	37.30	37.03	37.60	37.46	38.15	37.44	44.18	42.03	37.36	36.86	36.49	36.04
10	37.32	37.15	37.55	37.43	39.01	37.44	44.03	41.41	37.33	36.84	36.46	36.01
11	37.22	37.16	37.52	37.74	39.35	37.43	43.80	40.85	37.29	36.81	36.45	35.99
12	37.18	37.09	37.52	37.97	39.23	37.40	43.94	40.28	37.25	36.78	36.43	35.96
13	37.20	37.12	38.84	38.01	38.99	37.56	44.34	39.80	37.22	36.75	36.41	35.95
14	37.14	37.06	39.66	38.00	38.77	37.39	44.72	39.41	37.18	36.73	36.38	35.93
15	37.12	37.04	39.71	37.94	38.57	37.35	45.11	39.11	37.14	36.71	36.35	35.93
16	37.11	37.01	39.51	37.86	38.47	37.31	45.49	38.83	37.14	36.69	36.34	35.92
17	37.09	36.99	39.25	37.82	38.26	37.95	45.74	39.01	37.11	36.69	36.32	35.94
18	37.07	36.98	38.90	37.77	38.12	38.30	45.89	38.94	37.08	36.65	36.31	35.88
19	37.04	36.96	38.67	37.70	38.00	38.35	46.03	38.83	37.06	36.63	36.30	35.86
20	37.02	36.94	38.48	37.65	37.94	38.40	46.11	38.72	37.11	36.61	36.27	35.85
21	36.98	36.90	38.32	37.58	37.86	38.53	46.14	38.55	37.09	36.58	36.27	35.84
22	36.98	37.19	38.17	37.60	37.80	38.54	46.05	38.50	37.09	36.59	36.25	35.83
23	37.12	37.90	38.07	38.57	37.73	38.45	45.82	38.35	37.17	36.58	36.23	35.81
24	37.10	38.48	38.21	38.95	37.67	38.44	45.56	38.22	37.22	36.54	36.18	35.81
25	37.07	38.85	38.24	38.93	37.65	38.37	45.31	38.12	37.19	36.52	36.15	35.79
26	37.07	38.95	38.18	38.82	37.56	38.27	45.50	38.04	37.16	36.49	36.13	35.76
27	37.04	38.87	38.12	38.66	37.50	38.30	45.54	37.96	37.14	36.53	36.13	35.79
28	37.03	38.73	38.04	38.48	37.46	39.07	45.49	37.89	37.11	36.68	36.15	35.76
29	37.02	38.58	37.96	38.36	37.42	39.73	45.39	37.83	37.09	36.68	36.12	35.75
30	36.99	38.40	37.87	38.20	---	40.64	45.21	37.77	37.08	36.69	36.12	35.81
31	37.08	---	37.79	38.26	---	41.10	---	37.72	---	36.67	36.08	---
MEAN	37.21	37.48	38.24	37.95	38.11	38.12	44.66	40.24	37.26	36.74	36.35	35.92
MAX	37.73	38.95	39.71	38.95	39.35	41.10	46.14	44.98	37.67	37.05	36.64	36.08
MIN	36.98	36.90	37.52	37.43	37.42	37.31	41.51	37.72	37.06	36.49	36.08	35.75

07364100 OUACHITA RIVER NEAR ARKANSAS-LOUISIANA STATE LINE

LOCATION.--Lat 33°01'52", long 92°05'16", in SE¼NE¼ sec.25, T.19 S., R.10 W., Union County, Hydrologic Unit 08040202, on right bank 500 ft (152 m) below lock and dam No. 6, 1.6 mi (2.6 km) north of Arkansas-Louisiana State line, 3.5 mi (5.6 km) downstream from Missouri Pacific Railroad Co. bridge, and 4.5 mi (7.2 km) southeast of Felsenthal, Ark.

DRAINAGE AREA.--10,787 mi^2 (27,938 km^2).

PERIOD OF RECORD.--April 1958 to current year (daily gage heights and daily discharges below 19.0 ft or 5.79 m stage only). Gage-height record for some periods collected at same site since 1912 are contained in reports of Corps of Engineers, Vicksburg district.

REVISED RECORDS.--WDR LA-75-1: 1974.

GAGE.--Water-stage recorder. Datum of gage is 44.09 ft (13.439 m) National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to Aug. 26, 1958, nonrecording gage at same site and datum. Water-stage recorder for Ouachita River at Alabama Landing, near Haile (station 07364103) used as auxiliary gage for this station.

REMARKS.--Records fair. Discharge computed for stages below bankfull, about 19 ft (5.79 m). Considerable regulation by 5 reservoirs in Arkansas, combined capacity, 3,107,880 acre-ft (3.83 km^3), and a series of navigation locks and dams. Records of dissolved oxygen and water temperatures for the water year 1980 are published under miscellaneous water-quality sites in this report. Records of chemical analyses for Lock and Dam No. 6 for the water year 1980 are published in the Arkansas report (station 07364080).

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 43.04 ft (13.119 m) May 14, 15, 1958 (discharge not determined); minimum daily discharge, 190 ft^3/s (5.38 m^3/s) Sept. 13, 1971; minimum gage height, 6.58 ft (2.006 m) Sept. 14, 1971.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum gage height since 1912, 44.2 ft (13.47 m) Apr. 11, 12, 1945; minimum, -0.3 ft (-0.09 m) Nov. 11, 1916; minimum since 1928, 5.8 ft (1.76 m) Aug. 25, 1951.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 30.61 ft (9.330 m) Apr. 27; minimum daily discharge, 470 ft^3/s (13.3 m^3/s) July 28; minimum gage height, 7.85 ft (2.393 m) July 27, 28.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4290	3730	---	---		---			---	2990	957	913
2	4090	4960	---	---		---			---	3300	916	766
3	3420	5850	14900	---		---			---	2610	1020	711
4	2690	5700	14300	---		---			---	1800	996	802
5	3240	4070	13500	---		---			---	1210	1040	792
6	4100	2730	11700	---		12100			---	1330	890	694
7	4050	2950	9860	---		11900			---	1520	1050	634
8	3570	3100	9090	---		11700			---	1670	972	714
9	2510	4390	7340	---		8470			---	1580	778	856
10	1460	5940	5440	---		9360			---	1580	968	734
11	1600	6990	6060	---		9450			---	1790	999	899
12	2020	8280	6040	---		8700			---	2570	926	883
13	2150	8690	6270	---		9250			---	1950	942	805
14	2160	8530	7150	---		13600			---	2340	982	839
15	2520	6850	11400	---		15100			---	2900	1440	842
16	3030	5680	14100	14600		15600			---	2720	1770	846
17	2860	5680	14700	13700		---			---	2800	1930	802
18	3020	5180	15300	12900		---			9560	2980	1880	849
19	2350	4860	15800	12800		---			9540	3120	1730	938
20	1900	3610	15900	13300		---			7900	2820	1400	1170
21	1880	1640	15800	14000		---			5580	2490	1260	1140
22	2700	1740	15400	15100		---			3500	1770	1210	1100
23	3180	8520	15100	---		---			2780	1000	1150	996
24	3120	12900	14900	---		---			2750	802	1130	889
25	3250	14800	15300	---		---			2930	755	1200	1030
26	3220	16000	---	---		---			2870	922	1220	989
27	2910	---	---	---		---			3580	534	1170	986
28	2670	---	---	---		---			3740	470	1090	982
29	1940	---	---	---		---			2940	782	1030	2110
30	1630	---	---	---		---			2810	840	1090	4970
31	2860	---	---	---		---			---	812	1120	---
TOTAL	86390	---	---	---		---			---	56757	36256	31681
MEAN	2787	---	---	---		---			---	1831	1170	1056
MAX	4290	---	---	---		---			---	3300	1930	4970
MIN	1460	1640	5440	12800		8470			2750	470	778	634

07364100 OUACHITA RIVER NEAR ARKANSAS-LOUISIANA STATE LINE--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10.40	9.96	19.27	21.65	22.90	23.95	27.35	30.26	27.76	9.31	8.09	8.11
2	10.26	10.90	19.08	21.70	22.95	21.90	27.85	30.07	27.70	9.18	8.12	8.01
3	9.72	11.58	18.80	21.70	23.17	20.00	28.26	29.83	27.59	8.70	8.16	7.97
4	9.03	11.60	18.44	21.60	23.19	19.50	28.56	29.60	27.43	8.33	8.23	7.96
5	9.48	10.37	17.80	21.45	23.20	19.10	28.81	29.36	27.18	8.25	8.23	7.94
6	10.20	9.18	16.60	21.30	23.16	18.64	28.98	29.14	26.85	8.16	8.20	7.92
7	10.14	9.32	15.30	21.25	23.02	18.16	29.09	29.00	26.40	8.30	8.17	7.93
8	9.78	9.47	14.75	21.05	23.00	17.66	29.13	28.88	25.92	8.30	8.12	7.98
9	8.91	10.50	13.85	20.85	23.01	16.14	29.08	28.68	25.40	8.28	8.11	8.06
10	8.15	11.78	12.52	20.55	22.99	15.76	28.96	28.46	24.83	8.28	8.11	8.11
11	8.37	12.52	12.46	20.35	22.79	15.41	28.76	28.20	24.26	8.44	8.11	8.17
12	8.60	13.43	12.36	20.05	22.86	14.91	28.66	27.90	23.60	8.78	8.15	8.18
13	8.64	13.80	12.63	19.76	23.00	15.24	28.70	27.56	22.90	8.79	8.12	8.19
14	8.59	13.70	13.20	19.45	23.19	17.40	28.87	27.17	22.20	8.93	8.19	8.11
15	8.89	12.72	15.62	19.15	23.40	18.38	29.02	26.85	21.46	9.24	8.40	8.12
16	9.32	11.70	17.45	18.75	23.55	18.90	29.15	26.85	20.67	9.14	8.62	8.18
17	9.16	11.61	17.96	18.24	23.74	19.55	29.26	26.92	19.85	9.17	8.66	8.18
18	9.25	11.27	18.40	17.84	23.90	20.10	29.41	26.97	18.98	9.37	8.60	8.19
19	8.83	10.94	18.74	17.69	24.05	20.65	29.60	27.06	18.05	9.48	8.51	8.23
20	8.45	10.10	18.95	17.76	24.13	21.20	29.76	27.15	16.66	9.23	8.31	8.33
21	8.60	9.08	18.98	18.05	24.15	21.70	29.94	27.26	14.86	9.01	8.16	8.37
22	9.13	11.36	18.87	18.71	24.13	22.15	30.12	27.35	13.25	8.55	8.11	8.34
23	9.52	14.68	18.75	19.70	24.04	22.54	30.23	27.44	11.83	8.00	8.09	8.23
24	9.45	17.16	18.77	20.32	23.95	22.90	30.29	27.55	10.81	7.96	8.11	8.15
25	9.54	18.19	19.00	21.00	24.15	23.35	30.42	27.63	10.00	7.93	8.16	8.18
26	9.54	18.66	19.38	21.45	24.29	23.78	30.57	27.68	9.40	7.96	8.19	8.21
27	9.32	19.05	19.78	21.80	24.30	24.20	30.60	27.71	9.36	7.85	8.22	8.20
28	9.13	19.28	20.64	22.05	24.30	24.69	30.59	27.74	9.64	7.86	8.19	8.19
29	8.68	19.38	21.15	22.34	24.16	25.15	30.50	27.74	9.43	7.91	8.17	8.74
30	8.43	19.36	21.35	22.50	---	26.06	30.37	27.76	9.30	7.97	8.17	10.97
31	9.30	---	21.55	22.74	---	26.80	---	27.77	---	7.99	8.18	---
MEAN	9.19	13.09	17.50	20.41	23.54	20.51	29.36	28.05	19.45	8.54	8.22	8.25
MAX	10.40	19.38	21.55	22.74	24.30	26.80	30.60	30.26	27.76	9.48	8.66	10.97
MIN	8.15	9.08	12.36	17.69	22.79	14.91	27.35	26.85	9.30	7.85	8.09	7.92

07364103 OUACHITA RIVER AT ALABAMA LANDING, NEAR HAILE, LA

LOCATION.--Lat 32°52'25", long 92°05'05", in SW¼SW¼ sec.20, T.22 N., R.4 E., Union Parish, Hydrologic Unit 08040202, on right bank 300 ft (91 m) upstream from road to Alabama Landing, 1.5 mi (2.4 km) downstream from Mud Lake, 4.6 mi (7.4 km) northeast of Haile, and 16 mi (26 km) downstream from gaging station Ouachita River near Arkansas-Louisiana State line (station 07364100).

DRAINAGE AREA.--11,100 mi² (28,700 km²), approximately.

PERIOD OF RECORD.--October 1973 to September 1980 (gage heights only), discontinued. Unpublished records from April 1958 to September 1973 available in files of Baton Rouge district office.

REVISED RECORDS.--WDR LA-75-1: 1974.

GAGE.--Water-stage recorder. Datum of gage is 44.09 ft (13.439 m) National Geodetic Vertical Datum of 1929. Prior to Aug. 26, 1958, nonrecording gage at same site and datum.

REMARKS.--Considerable regulation by 5 reservoirs in Arkansas, combined capacity, 3,107,880 acre-ft (3.83 km³) and a series of navigation locks and dams.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 37.76 ft (11.509 m) May 16, 1979; minimum, 7.44 ft (2.268 m) Oct. 5, 1973.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 30.92 ft (9.424 m) Apr. 27; minimum, 8.25 ft (2.515 m) Oct. 10.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.38	9.18	16.21	18.10	21.86	20.65	27.43	30.34	27.66	8.85	8.43	8.46
2	9.35	9.56	16.06	18.53	22.22	20.05	28.05	30.16	27.58	8.11	8.47	8.39
3	9.11	9.90	15.91	18.90	22.47	19.38	28.46	29.96	27.49	8.12	8.49	8.36
4	8.69	10.15	15.69	19.13	22.64	18.73	28.80	29.71	27.32	8.37	8.57	8.33
5	8.88	9.60	15.21	19.20	22.71	18.09	29.05	29.47	27.08	8.53	8.56	8.31
6	9.20	8.90	14.47	19.17	22.73	17.43	29.23	29.23	26.78	8.38	8.56	8.31
7	9.14	8.92	13.55	19.12	22.67	16.83	29.35	29.11	26.37	8.47	8.49	8.33
8	9.05	9.02	13.11	18.99	22.57	16.25	29.40	28.99	25.88	8.40	8.46	8.37
9	8.67	9.45	12.86	18.81	22.51	15.50	29.36	28.80	25.34	8.42	8.49	8.42
10	8.32	10.24	12.01	18.55	22.54	14.63	29.25	28.54	24.81	8.42	8.45	8.50
11	8.52	10.58	11.50	18.36	22.72	14.02	29.06	28.28	24.19	8.52	8.44	8.53
12	8.60	11.10	11.34	17.84	22.82	13.71	29.00	28.98	23.53	8.37	8.50	8.54
13	8.56	11.43	11.62	16.89	22.97	13.79	29.10	27.65	22.81	8.87	8.49	8.57
14	8.48	11.46	11.88	16.69	23.18	14.25	29.25	27.31	22.03	8.86	8.53	8.48
15	8.62	11.20	12.65	16.43	23.41	14.83	29.39	26.95	21.19	8.83	8.62	8.49
16	8.82	10.38	13.84	16.06	23.63	15.43	29.54	26.97	20.38	8.84	8.74	8.55
17	8.73	10.20	14.38	15.88	23.80	16.24	29.62	27.07	19.42	8.81	8.72	8.56
18	8.70	10.09	14.65	15.79	23.95	16.82	29.73	27.12	18.47	8.97	8.67	8.56
19	8.68	9.78	15.02	15.59	24.09	17.35	29.85	27.17	17.43	9.02	8.63	8.58
20	8.47	9.60	15.32	15.25	24.18	18.21	29.95	27.26	16.23	8.90	8.53	8.63
21	8.67	9.31	15.50	15.21	24.18	19.31	30.05	27.34	14.73	8.84	8.41	8.68
22	8.85	11.82	15.63	15.58	24.10	20.25	30.15	27.43	13.68	8.66	8.37	8.66
23	9.02	13.45	15.69	16.08	23.93	21.10	30.24	27.55	12.01	8.32	8.37	8.57
24	8.97	14.41	15.87	16.61	23.67	22.05	30.30	27.61	10.91	8.33	8.40	8.51
25	8.99	14.76	16.00	17.27	23.33	22.81	30.42	27.67	9.91	8.31	8.43	8.51
26	9.02	14.53	16.19	18.01	22.85	23.47	30.63	27.72	9.12	8.30	8.46	8.55
27	8.96	16.45	16.33	18.64	22.33	23.99	30.65	27.73	8.05	8.27	8.51	8.54
28	8.87	15.74	16.57	19.48	21.78	24.56	30.63	27.22	8.47	8.29	8.50	8.53
29	8.74	15.85	16.86	20.16	21.18	25.10	30.57	27.71	9.11	8.28	8.50	8.73
30	8.58	15.93	17.24	20.71	---	26.06	30.45	27.70	9.02	8.33	8.48	9.69
31	8.98	---	17.66	21.40	---	26.85	---	27.69	---	8.36	8.48	---
MEAN	8.83	11.43	14.74	17.82	23.00	18.96	29.57	28.14	19.23	8.53	8.51	8.54
MAX	9.38	16.45	17.66	21.40	24.18	26.85	30.65	30.34	27.66	9.02	8.74	9.69
MIN	8.32	8.90	11.34	15.21	21.18	13.71	27.43	26.95	8.05	8.11	8.37	8.31

07364200 BAYOU BARTHOLOMEW NEAR JONES, LA

LOCATION.--Lat 32°59'25", long 91°39'20", in SE¼SW¼ sec.9, T.23 N., R.8 E., Morehouse Parish, Hydrologic Unit 08040205, on downstream side of right pier of bridge on State Highway 834, 1.0 mi (1.6 km) downstream from Arkansas-Louisiana State line, and 1.6 mi (2.6 km) northwest of Jones.

DRAINAGE AREA.--1,187 mi² (3,074 km²).

PERIOD OF RECORD.--October 1957 to current year.

GAGE.--Water-stage recorder. Datum of gage is 79.21 ft (24.143 m) National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Water-stage recorder for Bayou Bartholomew northwest of Jones (station 07364203) used as auxiliary gage for this station since Oct. 1, 1959. See WSP 2120 for history of changes prior to Dec. 7, 1966.

REMARKS.--Records good except those for periods of missing record, which are fair. Small diversions above station for irrigation. In extreme floods, considerable flow bypasses station. Most of flow is into the Bayou Lafourche-Boeuf River basins by way of interconnecting system of bayous and drainage ditches and passes stations Bayou Lafourche near Crew Lake (station 07369000) and Boeuf River near Girard (station 07368000). Other flow bypasses station and reenters the basin 5 mi (8 km) downstream by way of Overflow Creek. Records of dissolved oxygen and water temperatures for the water year 1980 are published under miscellaneous water-quality sites in this report.

AVERAGE DISCHARGE.--23 years, 1,296 ft³/s (36.70 m³/s), 939,000 acre-ft/yr (1.16 km³/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 6,680 ft³/s (189 m³/s) Mar. 11-13, 1961; maximum gage height, 28.24 ft (8.608 m) May 21, 22, 1958; minimum discharge, 32 ft³/s (0.906 m³/s) July 22, 1966, gage height, 0.35 ft (0.107 m).

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 6,410 ft³/s (182 m³/s) Apr. 18; maximum gage height, 25.54 ft (7.785 m) Apr. 18; minimum discharge, 51 ft³/s (1.444 m³/s) Aug. 28, gage height, 0.84 ft (0.256 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	424	129	2000	1620	2610	2240	5230	5000	2360	270	85	58
2	403	126	2100	1630	2620	2130	5490	4970	2330	250	85	57
3	381	122	2200	1650	2620	2020	5680	4750	2310	230	88	60
4	361	118	2300	1700	2610	1920	5860	4390	2300	210	89	67
5	350	115	2400	1750	2600	1800	5940	4200	2280	200	90	73
6	347	113	2500	1800	2550	1700	5980	3890	2270	190	88	78
7	347	112	2600	1820	2500	1590	5990	3660	2250	180	83	82
8	344	112	2650	1850	2500	1480	5980	3430	2230	170	81	79
9	337	210	2720	1860	2550	1380	5990	3190	2200	160	78	75
10	327	237	2710	1900	2650	1290	5930	2980	2160	150	74	78
11	312	286	2700	1900	2700	1240	5870	2750	2110	140	71	74
12	296	331	2700	1950	2850	1240	5940	2560	2070	135	69	73
13	278	339	2650	2000	2950	1280	6140	2400	2010	125	67	69
14	254	338	2600	2000	3150	1300	6190	2230	1940	120	67	71
15	232	328	2500	1900	3200	1340	6140	2090	1860	110	68	76
16	213	312	2400	1800	3350	1450	6120	2220	1790	105	68	82
17	198	310	2200	1750	3400	1770	6230	2280	1700	95	68	88
18	186	313	2100	1700	3300	2120	6350	2280	1610	89	67	94
19	177	316	1900	1650	3250	2300	6340	2330	1520	82	67	98
20	170	312	1800	1650	3230	2520	6240	2380	1410	81	65	102
21	163	350	1700	1700	2910	2890	6160	2450	1280	80	64	107
22	161	500	1600	1750	2840	3110	6060	2480	1140	79	63	109
23	158	800	1500	1800	2780	3280	5950	2480	1000	78	59	107
24	151	900	1450	1850	2710	3390	5830	2460	870	76	55	106
25	145	1000	1400	2000	2650	3620	5810	2430	747	79	54	105
26	138	1100	1450	2100	2580	3760	5910	2410	624	106	53	106
27	132	1300	1500	2200	2490	3900	5750	2370	526	128	52	107
28	127	1500	1550	2300	2380	4090	5580	2370	437	129	51	108
29	124	1600	1550	2400	2320	4310	5400	2380	363	117	52	121
30	120	1800	1600	2500	---	4720	5290	2380	313	102	61	132
31	132	---	1610	2600	---	5000	---	2370	---	90	62	---
TOTAL	7488	15429	64640	59080	80850	76180	177370	90560	48010	4156	2144	2642
MEAN	242	514	2085	1906	2788	2457	5912	2921	1600	134	69.2	88.1
MAX	424	1800	2720	2600	3400	5000	6350	5000	2360	270	90	132
MIN	120	112	1400	1620	2320	1240	5230	2090	313	76	51	57
AC-FT	14850	30600	128200	117200	160400	151100	351800	179600	95230	8240	4250	5240

CAL YR 1979 TOTAL 840281 MEAN 2302 MAX 5380 MIN 112 AC-FT 1667000
WTR YR 1980 TOTAL 628549 MEAN 1717 MAX 6350 MIN 51 AC-FT 1247000

07364200 BAYOU BARTHOLOMEW NEAR JONES, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.19	2.41	14.60	12.95	17.01	15.30	23.80	23.93	16.24	---	1.44	1.07
2	5.91	2.35	15.05	12.99	17.03	14.90	24.17	23.64	16.10	---	1.44	1.05
3	5.54	2.29	15.44	13.09	17.03	14.49	24.43	23.28	15.93	---	1.51	1.13
4	5.26	2.22	15.77	13.20	17.03	14.07	24.59	22.85	15.78	---	1.54	1.33
5	5.08	2.17	16.05	13.26	17.02	13.64	24.67	22.34	15.63	---	1.57	1.48
6	4.99	2.13	16.29	13.36	16.98	13.18	24.69	21.81	15.44	---	1.54	1.61
7	4.92	2.11	16.48	13.68	16.88	12.72	24.69	21.34	15.22	---	1.42	1.71
8	4.87	2.12	16.60	13.88	16.82	12.24	24.66	20.89	15.05	---	1.39	1.61
9	4.79	3.21	16.65	13.96	17.24	11.73	24.59	20.27	14.92	---	1.31	1.53
10	4.67	4.96	16.64	13.96	17.55	11.27	24.50	19.60	14.77	---	1.24	1.60
11	4.51	5.25	16.56	14.25	17.75	10.90	24.43	18.89	14.60	---	1.18	1.50
12	4.31	5.61	16.52	14.50	18.05	11.19	24.56	18.16	14.41	---	1.14	1.46
13	4.10	5.75	16.65	14.52	18.41	11.59	24.94	17.43	14.19	---	1.10	1.38
14	3.87	5.71	16.46	14.49	18.74	11.67	25.13	16.67	13.94	---	1.11	1.43
15	3.66	5.60	16.18	14.43	19.00	11.81	25.24	15.96	13.66	---	1.14	1.54
16	3.47	5.45	15.86	14.31	19.06	12.42	25.38	17.00	13.34	---	1.15	1.67
17	3.31	5.37	15.48	14.19	19.05	14.10	25.47	17.33	13.00	---	1.16	1.84
18	3.18	5.33	15.06	13.94	18.95	15.39	25.53	17.45	12.61	---	1.16	1.96
19	3.07	5.31	14.61	13.65	18.79	16.40	25.53	17.67	12.19	---	1.15	2.04
20	2.98	5.27	14.15	13.76	18.61	17.73	25.48	17.80	11.72	---	1.12	2.11
21	2.90	5.23	13.65	13.48	18.36	19.26	25.39	17.86	11.10	---	1.11	2.22
22	2.87	6.64	13.16	13.84	18.08	20.00	25.25	17.89	10.36	---	1.08	2.24
23	2.83	8.74	12.68	14.31	17.80	20.52	25.08	17.74	9.53	1.27	1.01	2.20
24	2.74	9.46	12.65	14.49	17.52	20.92	24.88	17.54	8.69	1.22	.91	2.17
25	2.65	10.27	12.48	14.85	17.20	21.13	24.88	17.32	7.86	1.31	.90	2.17
26	2.54	11.31	12.34	15.31	16.82	21.29	24.96	17.09	7.01	1.87	.88	2.19
27	2.45	12.16	12.36	15.78	16.43	21.46	24.75	16.84	6.24	2.27	.88	2.19
28	2.37	12.89	12.48	16.16	16.04	21.84	24.55	16.67	5.45	2.29	.86	2.23
29	2.31	13.53	12.65	16.48	15.65	22.25	24.36	16.57	4.85	2.09	.90	2.44
30	2.26	14.10	12.79	16.74	---	23.01	24.16	16.47	4.42	1.80	1.12	2.61
31	2.45	---	12.89	16.94	---	23.45	---	16.37	---	1.56	1.16	---
MEAN	3.78	6.17	14.75	14.35	17.62	16.19	24.82	18.80	12.14	---	1.18	1.79
MAX	6.19	14.10	16.65	16.94	19.06	23.45	25.53	23.93	16.24	---	1.57	2.61
MIN	2.26	2.11	12.34	12.95	15.65	10.90	23.80	15.96	4.42	1.22	.86	1.05

07364203 BAYOU BARTHOLOMEW NORTHWEST OF JONES, LA

LOCATION.--Lat 32°58'55", long 91°42'00", in NE¼ sec.13, T.23 N., R.7 E., Morehouse Parish, Hydrologic Unit 08040205, on right bank 0.3 mi (0.5 km) upstream from the mouth of Overflow Creek, 1.3 mi (2.1 km) south of Arkansas-Louisiana State line, 3.2 mi (5.1 km) northwest of Jones, and 4.0 mi (6.4 km) downstream from gaging station Bayou Bartholomew near Jones (station 07364200).

DRAINAGE AREA.--1,190 mi^2 (3,080 km^2), approximately.

PERIOD OF RECORD.--October 1973 to current year (gage heights only). Unpublished records from October 1959 to September 1973 available in files of the Baton Rouge district office.

GAGE.--Water-stage recorder. Altitude of gage is 80 ft or 24 m (from topographic map). Period Dec. 7, 1966, to Sept. 30, 1976, at datum 1.0 ft (0.305 m) lower.

REMARKS.--Small diversions above station for irrigation. In extreme floods, considerable flow bypasses station. Most of flow is into the Bayou Lafourche-Boeuf River basins by way of interconnecting system of bayous and drainage ditches and passes station Bayou Lafourche near Crew Lake (station 07369000) and Boeuf River near Girard (07368000). Other flow bypasses station and reenters the basin 1 mi (2 km) downstream by way of Overflow Creek.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, not determined, occurred during period of no gage-height record in 1974. Maximum gage height since 1974, 23.96 ft (7.303 m) Apr. 25, 1979; minimum, not determined.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage since 1959, 26.15 ft (7.970 m), present datum, Apr. 2, 1973.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 23.60 ft (7.193 m) Apr. 19; minimum, -0.63 ft (-0.192 m) Aug. 28, 29.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.15	1.57			---	13.16	21.84	22.10	14.27	---	-.01	-.38
2	4.76	1.53			---	12.79	22.19	21.81	14.11	---	-.12	-.42
3	4.32	1.48			---	12.40	22.43	21.47	13.92	---	-.11	-.39
4	4.00	1.45			---	12.00	22.53	21.04	13.75	---	-.08	-.24
5	3.80	1.42			---	11.61	22.58	20.54	13.55	---	-.05	-.11
6	3.67	1.40			---	11.17	22.60	19.96	13.32	---	-.04	-.01
7	3.57	1.40			---	10.75	22.59	19.57	13.04	---	-.12	.10
8	3.50	1.41			---	10.29	22.54	19.14	12.84	---	-.15	.05
9	3.43	2.61			---	9.80	22.45	18.54	12.70	---	-.20	.03
10	3.32	4.33			---	9.35	22.37	17.89	12.55	---	-.26	.19
11	3.19	4.67			---	8.96	22.29	17.22	12.39	---	-.31	-.02
12	3.04	4.74			---	9.37	22.44	16.50	12.20	---	-.35	-.05
13	2.85	4.89			---	9.85	22.83	15.77	12.00	---	-.39	-.13
14	2.65	4.84			---	9.92	23.06	15.02	11.78	---	-.38	-.11
15	2.49	4.76			---	10.01	23.23	14.29	11.52	---	-.33	-.04
16	2.31	4.61			---	10.61	23.41	15.44	11.22	---	-.34	.05
17	2.19	4.51			---	12.32	23.49	15.78	10.89	---	-.32	.19
18	2.06	4.44			---	13.50	23.54	15.93	10.54	---	-.32	.30
19	1.97	4.40			---	14.56	23.55	16.15	10.13	---	-.34	.39
20	1.90	4.37			---	16.00	23.50	16.26	9.71	---	-.40	.46
21	1.85	---			16.33	17.55	23.42	16.24	9.14	---	-.39	.60
22	1.83	---			16.04	18.28	23.31	16.24	8.45	---	-.40	.52
23	1.83	---			15.74	18.78	23.14	16.06	7.66	---	-.46	.58
24	1.74	---			15.48	19.15	22.94	15.83	6.86	-.29	-.54	.53
25	1.65	---			15.13	19.31	22.91	15.58	6.08	-.28	-.57	.51
26	1.57	---			14.73	19.41	23.01	15.31	5.31	.09	-.59	.53
27	1.50	---			14.32	19.52	22.81	15.04	4.59	.50	-.61	.52
28	1.43	---			13.94	19.91	22.64	14.82	3.80	.59	-.62	.59
29	1.38	---			13.53	20.28	22.50	14.67	3.17	.45	-.58	.85
30	1.35	---			---	21.06	22.30	14.55	2.69	.20	-.38	1.02
31	1.58	---			---	21.43	---	14.42	---	-.02	-.31	---
MEAN	2.64	---			---	14.29	22.81	17.07	10.14	---	-.32	.21
MAX	5.15	---			---	21.43	23.55	22.10	14.27	---	-.01	1.02
MIN	1.35	1.40			13.53	8.96	21.84	14.29	2.69	---	-.62	-.42

07364500 BAYOU BARTHOLOMEW NEAR BEEKMAN, LA

LOCATION.--Lat 32°52'20", long 91°52'04", in SW¼SW¼ sec.21, T.22 N., R.6 E., Morehouse Parish, Hydrologic Unit 08040205, near right bank on downstream end of pier of bridge on State Highway 139, 0.6 mi (1.0 km) downstream from Bayou de Glaize, 3.6 mi (5.8 km) south of Beekman, and 7.0 mi (11.3 km) north of Bastrop court house.

DRAINAGE AREA.--1,645 mi² (4,261 km²).

PERIOD OF RECORD.--August 1928 to September 1931, October 1938 to September 1959. October 1959 to September 1980 (annual maximum and gage heights only), discontinued. Monthly discharge for some periods, published in WSP 1311. August 1928 to October 1931 (fragmentary) in files of Corps of Engineers, Vicksburg district, since August 1932 in reports of Corps of Engineers, Vicksburg district.

GAGE.--Water-stage recorder. Datum of gage is 70.60 ft (21.519 m) National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Feb. 3, 1939, to Aug. 17, 1955, nonrecording gage at same site and datum.

REMARKS.--Small diversions above station for irrigation. In extreme floods, considerable flow bypasses station. Most of flow is into the Bayou Lafourche-Boeuf River basins by way of interconnecting system of bayous and drainage ditches and passes the two stations, Bayou Lafourche near Crew Lake and Boeuf River near Girard (stations 07369000 and 07368000).

AVERAGE DISCHARGE.--24 years (water years 1929-31, 1939-59), 1,795 ft³/s (50.83 m³/s), 1,300,000 acre-ft/yr (1.60 km³/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 14,700 ft³/s (416 m³/s) May 2, 1958, gage height, 28.30 ft (8.626 m); minimum discharge, 38 ft³/s (1.08 m³/s) July 30, 1956; minimum gage height, 0.50 ft (0.152 m) July 31 and Aug. 1, 1978.

EXTREMES OUTSIDE PERIOD OF RECORD.--A stage of 26.75 ft or 8.153 m (from floodmark) occurred Apr. 17, 1927 (affected by overflow from Mississippi River). A discharge of 12,400 ft³/s (351 m³/s), gage height, 25.78 ft (7.858 m) was measured by the Corps of Engineers, Jan. 12, 1932.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 8,200 ft³/s (232 m³/s) Apr. 16, gage height, 23.67 ft (7.215 m); minimum gage height, unknown.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
INSTANTANEOUS OBSERVATIONS AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	1.54	12.70	10.51	14.87	12.51	22.50	21.70	---	---	.95	---
2	---	1.46	12.56	10.25	14.65	12.21	22.83	21.35	---	---	.88	---
3	---	1.39	12.39	10.09	14.53	11.85	22.79	20.93	---	---	.88	---
4	---	1.34	12.24	10.08	14.41	11.46	22.50	20.47	---	---	.87	.80
5	---	1.31	12.17	10.15	14.27	11.12	22.10	20.07	---	---	.84	.84
6	---	1.27	12.25	10.26	14.16	10.73	21.67	19.71	---	---	.89	.91
7	---	1.24	12.36	10.38	13.98	10.33	21.26	19.47	---	---	.87	.98
8	---	1.20	12.48	10.63	13.83	9.99	20.87	19.43	---	---	.85	1.03
9	---	1.21	12.61	10.82	14.60	9.64	20.52	19.07	---	---	.83	1.02
10	---	3.73	12.71	10.87	15.68	9.27	20.23	18.52	---	---	.83	1.03
11	---	3.98	12.76	11.23	16.28	8.91	19.99	17.91	---	---	.82	1.08
12	---	3.86	12.76	11.99	17.06	8.75	20.48	17.21	---	---	.81	1.07
13	---	3.99	13.48	12.43	17.71	10.62	21.23	16.44	---	---	.80	1.02
14	---	4.21	13.63	12.69	17.88	11.24	22.33	15.57	---	---	.80	1.00
15	---	4.39	13.54	12.87	17.70	11.32	22.96	14.77	---	1.14	.79	.93
16	2.30	4.46	13.38	12.88	17.39	11.26	23.57	16.05	---	1.09	.79	.93
17	2.16	4.29	13.13	12.67	17.00	12.94	23.66	18.01	---	1.02	.79	.94
18	2.04	3.92	12.76	12.33	16.60	14.60	23.55	19.15	---	.95	.79	.98
19	1.94	3.63	12.33	11.93	16.14	16.08	23.20	19.53	---	.92	.79	1.09
20	1.85	3.46	11.86	11.47	15.72	17.49	22.82	19.52	---	.88	.79	1.15
21	1.77	3.39	11.39	11.32	15.36	19.41	22.45	18.69	---	.87	.79	1.21
22	1.76	4.64	10.92	11.93	15.06	20.57	22.11	18.27	---	.86	.78	1.27
23	1.74	7.83	10.43	14.07	14.76	20.85	21.78	---	---	.86	.78	1.31
24	1.67	9.17	10.66	15.14	14.47	20.86	21.41	---	---	.86	.78	1.30
25	1.63	9.74	10.94	16.03	14.20	20.70	21.03	---	---	.83	.78	1.31
26	1.57	10.54	10.95	16.53	13.91	20.35	21.46	---	---	.82	.78	1.36
27	1.52	11.36	11.05	16.59	13.55	19.92	21.46	---	---	.82	.78	1.29
28	1.45	12.19	11.11	16.29	13.18	19.70	21.55	---	---	1.01	.77	1.30
29	1.41	12.63	11.07	15.85	12.80	19.76	21.79	---	---	1.18	.77	1.38
30	1.38	12.76	10.90	15.44	---	20.48	21.85	---	---	1.17	---	1.52
31	1.47	---	10.74	15.15	---	21.49	---	---	---	1.09	---	---
MEAN	---	5.00	12.07	12.61	15.23	14.72	21.93	---	---	---	---	---
MAX	---	12.76	13.63	16.59	17.88	21.49	23.66	21.70	---	---	.95	1.52
MIN	1.36	1.20	10.43	10.08	12.80	8.75	19.99	---	---	.82	---	---

07364535 OUACHITA RIVER AT STERLINGTON, LA

LOCATION.--Lat 32°41'46", long 92°05'12", in NW¼NW¼ sec.29, T.20 N., R.4 E., Ouachita-Union Parish line, Hydrologic Unit 08040202, on downstream side of bridge on State Highway 2, at Sterlington.

DRAINAGE AREA.--12,954 mi² (33,551 km²).

PERIOD OF RECORD.--October 1979 to September 1980 (elevations only). Stage records since September 25, 1972, in Corps of Engineers files.

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929. Prior to Nov. 13, 1969, nonrecording gage at same site and datum.

REMARKS.--Considerable regulation by five reservoirs in Arkansas, combined capacity, 3,107,880 acre-ft (3.83 km³) and a series of navigation locks and dams.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum elevation since September 1972, 85.65 ft (26.106 m) May 7, 1973 (from Corps of Engineers records).

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 73.15 ft (22.296 m) Apr. 28; minimum, 52.42 ft (15.978 m) July 27.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	53.20	53.64	58.43	59.88	63.69	62.80	69.20	72.99	69.03	53.01	52.64	52.70
2	53.20	53.64	58.47	60.21	63.95	62.28	69.80	72.86	68.91	53.00	52.69	52.65
3	53.12	53.58	58.41	60.53	64.12	61.69	70.31	72.68	68.77	52.89	52.71	52.62
4	52.88	53.48	58.27	60.74	64.22	61.09	70.73	72.43	68.60	52.82	52.75	52.59
5	52.80	53.41	58.03	60.84	64.29	60.51	71.03	72.15	68.37	52.81	52.75	52.56
6	52.80	53.40	57.67	60.84	64.29	59.92	71.22	71.87	68.09	52.75	52.76	52.54
7	52.80	53.40	56.97	60.80	64.24	59.39	71.34	71.66	67.74	52.85	52.77	52.55
8	52.80	53.43	56.44	60.70	64.18	58.87	71.39	71.50	67.35	52.80	52.73	52.58
9	52.80	53.52	55.96	60.56	64.37	58.31	71.36	71.27	66.93	52.81	52.71	52.68
10	52.75	53.59	55.21	60.38	64.48	57.58	71.26	70.99	66.43	52.81	52.71	52.74
11	52.61	53.57	54.86	60.27	64.54	57.00	71.11	70.68	65.89	52.85	52.72	52.77
12	52.60	53.72	54.88	60.10	64.66	56.72	71.16	70.33	65.31	53.00	52.74	52.77
13	52.60	54.42	55.20	59.88	64.84	56.74	71.47	69.97	64.67	52.97	52.73	52.78
14	52.60	54.44	55.33	59.62	65.05	56.96	71.76	69.56	63.97	52.92	52.73	52.72
15	52.60	54.33	55.73	59.35	65.26	57.40	71.96	69.16	63.25	52.97	52.80	52.74
16	52.60	53.79	56.60	59.06	65.46	57.96	72.16	69.34	62.49	52.92	52.90	52.77
17	52.60	53.64	57.00	58.73	65.60	58.90	72.30	69.39	61.70	52.92	52.85	52.79
18	52.60	53.53	57.28	58.35	65.70	59.48	72.47	69.42	60.85	52.99	52.81	52.80
19	52.60	53.40	57.49	58.01	65.74	59.90	72.60	69.49	59.97	53.00	52.80	52.82
20	52.60	53.22	57.67	57.79	65.75	60.56	72.67	69.57	59.03	52.92	52.73	52.85
21	52.60	52.93	57.79	57.76	65.71	61.69	72.73	69.61	57.75	52.94	52.69	52.87
22	52.60	53.62	57.88	58.16	65.62	62.48	72.76	69.67	56.49	52.86	52.66	52.85
23	52.60	55.02	57.94	58.82	65.47	63.20	72.78	69.70	55.35	52.60	52.68	52.81
24	52.60	56.01	58.19	59.32	65.27	63.95	72.78	69.69	54.47	52.56	52.69	52.74
25	52.60	56.78	58.28	59.83	65.00	64.60	72.87	69.65	53.80	52.56	52.70	52.76
26	52.61	57.25	58.39	60.42	64.65	65.14	73.06	69.59	53.36	52.54	52.72	52.78
27	52.70	57.61	58.54	61.06	64.21	65.58	73.11	69.51	53.17	52.49	52.75	52.77
28	52.79	57.90	58.73	61.72	63.72	66.12	73.14	69.42	53.24	52.52	52.74	52.75
29	52.77	58.13	58.96	62.34	63.24	66.60	73.13	69.33	53.12	52.53	52.74	52.83
30	52.68	58.32	59.24	62.87	---	67.57	73.07	69.23	53.05	52.57	52.73	53.35
31	52.95	---	59.55	63.35	---	68.42	---	69.14	---	52.58	52.73	---
MEAN	52.73	54.56	57.40	60.07	64.74	61.27	71.89	70.38	61.71	52.80	52.74	52.75
MAX	53.20	58.32	59.55	63.35	65.75	68.42	73.14	72.99	69.03	53.01	52.90	53.35
MIN	52.60	52.93	54.84	57.76	63.24	56.72	69.20	69.14	53.05	52.49	52.64	52.54

07364840 LAKE CLAIBORNE NEAR AYCOCK, LA

LOCATION.--Lat 32°44'20", long 92°54'18", in sec.8, T.20 N., R.5 W., Claiborne Parish, Hydrologic Unit 08040206, attached to pier of catwalk to drop inlet structure, 50 ft (15.2 m) upstream from dam on Bayou D'Arbonne, and 2.0 mi (3.2 km) northeast of Aycock.

DRAINAGE AREA.--133 mi² (344 km²).

PERIOD OF RECORD.--1962 (one discharge measurement). February 1968 to current year (gage heights and miscellaneous discharge measurements only).

GAGE.--Water-stage recorder. Datum of gage is 176.00 ft (53.645 m) National Geodetic Vertical Datum of 1929 (levels by Louisiana Department of Transportation and Development, Office of Public Works).

REMARKS.--Reservoir is formed by an earthfill dam, containing an uncontrolled concrete drop inlet spillway near the left end of dam. Outflow below spillway elevation is controlled by two 8- by 8-ft (2.4- by 2.4-m) sluice gates in upstream face of drop inlet. Invert elevation of sluice gates at 151.25 ft (46.101 m) National Geodetic Vertical Datum of 1929. Capacity, 100,000 acre-ft (123 hm³) at 9.0 ft (2.74 m) gage height. Dam completed and storage began in 1966. Reservoir is used for flood control and conservation. Gates were opened August 5, partially closed on September 12, and completely closed on September 26.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 12.03 ft (3.667 m) May 5, 1979.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 10.44 ft (3.182 m) Apr. 14; minimum, 2.02 ft (0.616 m) Sept. 28, 29, 30.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
INSTANTANEOUS OBSERVATIONS AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.24	9.07	9.44	9.48	9.78	9.55	10.29	---	9.49	9.23	8.83	2.11
2	9.22	9.06	9.42	9.47	9.74	9.54	10.17	---	9.45	9.21	8.81	2.11
3	9.19	9.05	9.39	9.50	9.70	9.50	10.09	---	9.42	9.19	8.79	2.10
4	9.19	9.04	9.38	9.51	9.68	9.49	10.00	---	9.40	9.16	8.75	2.10
5	9.15	9.02	9.37	9.49	9.66	9.53	9.91	---	9.38	9.15	8.74	2.10
6	9.14	9.03	9.38	9.46	9.69	9.49	9.84	---	9.35	9.13	8.53	2.09
7	9.12	9.01	9.35	9.47	9.65	9.51	9.78	---	9.33	9.12	8.25	2.09
8	9.12	9.00	9.33	9.45	9.66	9.51	9.78	---	9.32	9.09	7.97	2.09
9	9.10	9.02	9.32	9.44	9.91	9.51	9.69	---	9.36	9.07	7.68	2.08
10	9.08	9.03	9.32	9.43	10.11	9.50	9.64	---	9.37	9.05	7.38	2.08
11	9.07	9.02	9.31	9.46	10.13	9.48	9.60	---	9.35	9.04	7.10	2.08
12	9.04	9.00	9.31	9.44	10.08	9.59	9.70	---	9.32	9.01	6.82	2.07
13	9.04	9.00	9.43	9.42	10.02	9.67	10.04	9.66	9.30	8.99	6.52	2.07
14	9.01	8.99	9.44	9.41	9.95	9.62	10.39	9.65	9.29	8.97	6.23	2.07
15	9.00	8.98	9.43	9.41	9.91	9.60	10.37	9.63	9.27	8.94	5.93	2.06
16	8.99	8.98	9.43	9.43	9.86	9.62	10.28	9.96	9.25	8.92	5.63	2.06
17	8.99	8.97	9.42	9.47	9.81	9.64	10.17	10.36	9.23	8.90	5.33	2.05
18	8.98	8.96	9.39	9.48	9.76	9.65	---	10.36	9.22	8.87	5.02	2.05
19	8.98	8.97	9.38	9.47	9.71	9.62	---	10.25	9.22	8.84	4.72	2.05
20	8.97	8.96	9.37	9.52	9.71	9.70	---	10.15	9.34	8.81	4.42	2.04
21	8.96	8.97	9.37	9.61	9.68	9.89	---	10.05	9.27	8.79	4.12	2.04
22	9.02	9.65	9.39	9.83	9.65	9.88	---	9.98	9.27	8.77	3.80	2.04
23	9.03	9.73	9.43	10.18	9.64	9.84	---	9.92	9.35	8.74	3.48	2.04
24	9.01	9.70	9.59	10.22	9.60	9.94	---	9.85	9.40	8.71	3.16	2.03
25	9.00	9.66	9.61	10.15	9.59	9.86	---	9.80	9.38	8.68	2.84	2.03
26	8.99	9.62	9.59	10.06	9.54	9.82	---	9.75	9.35	8.67	2.52	2.03
27	8.98	9.58	9.58	9.99	9.52	9.77	---	9.70	9.32	8.68	2.20	2.03
28	8.98	9.55	9.55	9.92	9.52	9.85	---	9.65	9.30	8.88	2.12	2.03
29	8.97	9.52	9.55	9.87	9.48	9.85	---	9.61	9.29	8.88	2.12	2.02
30	8.96	9.46	9.53	9.84	---	10.35	---	9.56	9.25	8.86	2.11	2.02
31	9.08	---	9.51	9.83	---	10.39	---	9.52	---	8.85	2.11	---
MEAN	9.05	9.19	9.43	9.64	9.75	9.70	---	---	9.33	8.94	5.55	2.06
MAX	9.24	9.73	9.61	10.22	10.13	10.39	10.39	10.36	9.49	9.23	8.83	2.11
MIN	8.96	8.96	9.31	9.41	9.48	9.48	---	9.52	9.22	8.67	2.11	2.02

07364890 BAYOU D'ARBONNE NEAR HICO, LA

LOCATION.--Lat 32°42'00", long 92°44'35", on line between secs.26 and 25, T.20 N., R.4 W., Lincoln Parish, Hydrologic Unit 08040206, in center of low-water channel on the downstream side of the bridge on Lincoln Parish Road No. 271, 3.6 mi (5.8 km) southwest of Hico.

DRAINAGE AREA.--254 mi^2 (658 km^2).

PERIOD OF RECORD.--March to September 1980.

GAGE.--Water-stage recorder. Altitude of gage is 110 ft (34 m), from topographic map.

REMARKS -Flow regulated by Lake Claiborne (station 07364840), 10 mi (16 km) upstream. Records of dissolved oxygen and water temperatures for the period March to September 1980 are published under miscellaneous water-quality sites in this report.

EXTREMES FOR CURRENT YEAR.--Maximum discharge during period March to September, 3,500 ft^3/s (99.1 m^3/s) Apr. 14, gage height, 13.87 ft (4.228 m); minimum, no flow July 22-26.

DISCHARGE, IN CUBIC FEET PER SECOND, MARCH TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1						---	1570	669	159	17	2.3	612
2						---	1250	616	147	12	1.9	610
3						---	1070	595	125	8.9	1.3	607
4						---	896	625	105	6.7	.93	600
5						---	735	566	89	5.0	.71	592
6						186	612	499	75	4.4	39	587
7						171	528	454	60	4.0	272	585
8						177	464	434	51	3.7	424	583
9						181	412	397	78	3.4	530	579
10						169	367	349	88	3.1	602	574
11						162	329	303	74	2.5	633	569
12						291	926	274	59	2.1	652	563
13						477	2340	269	43	1.9	664	523
14						399	3280	272	31	1.5	666	222
15						323	2210	289	25	1.4	663	134
16						341	1440	957	20	1.2	660	125
17						461	1160	1540	15	.85	659	121
18						517	1100	1590	11	.43	657	120
19						456	1160	1210	10	.30	662	119
20						635	978	985	14	.20	657	119
21						1060	772	800	30	.05	648	122
22						1180	633	653	29	.00	642	119
23						949	545	555	168	.00	637	118
24						732	475	484	287	.00	632	118
25						636	524	419	132	.00	631	127
26						576	1130	366	89	.00	629	109
27						532	1730	315	66	7.0	626	19
28						611	1230	272	46	10	626	6.7
29						973	971	238	33	7.0	626	4.9
30						2710	782	205	26	5.5	622	4.8
31						2490	---	177	---	3.4	618	---
TOTAL						---	31619	17377	2185	113.53	15384.14	9292.4
MEAN						---	1054	561	72.8	3.66	496	310
MAX						---	3280	1590	287	17	666	612
MIN						---	329	177	10	.00	.71	4.8
AC-FT						---	62720	34470	4330	225	30510	18430

07364890 BAYOU D'ARBONNE NEAR HICO, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM) MARCH TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1						---	11.69	7.98	2.87	1.08	.50	7.50
2						---	11.00	7.53	2.74	.91	.47	7.48
3						---	10.41	7.34	2.49	.80	.44	7.46
4						---	9.56	7.61	2.27	.70	.41	7.39
5						---	8.47	7.08	2.09	.63	.40	7.32
6						3.37	7.49	6.44	1.93	.60	1.08	7.27
7						3.20	6.73	5.99	1.74	---	4.12	7.26
8						3.28	6.09	5.79	1.64	---	5.69	7.23
9						3.32	5.57	5.42	1.96	---	6.74	7.20
10						3.18	5.12	4.94	2.07	---	7.41	7.16
11						3.10	4.74	4.47	1.91	.51	7.68	7.11
12						4.39	9.64	4.15	1.73	.49	7.83	7.05
13						6.22	12.51	4.10	1.53	.47	7.94	6.67
14						5.44	13.65	4.13	1.37	.45	7.95	3.57
15						4.68	12.54	4.31	1.26	.44	7.92	2.58
16						4.86	11.44	9.72	1.15	.43	7.90	2.48
17						6.06	10.72	11.61	1.01	.41	7.89	2.43
18						6.62	10.54	11.72	.89	.37	7.88	2.43
19						6.01	10.73	10.88	.85	---	7.91	2.42
20						7.50	10.01	10.06	.96	---	7.87	2.41
21						10.40	8.73	8.92	1.34	.33	7.80	2.45
22						10.80	7.67	7.84	1.33	.32	7.75	2.42
23						9.82	6.88	6.98	2.96	.31	7.70	2.40
24						8.45	6.20	6.29	4.28	---	7.67	2.41
25						7.70	6.62	5.64	2.56	---	7.66	2.50
26						7.17	10.45	5.11	2.09	---	7.64	2.29
27						6.77	11.95	4.60	1.82	---	7.62	1.05
28						7.49	10.92	4.13	1.58	---	7.62	.68
29						9.45	9.98	3.75	1.39	---	7.62	.60
30						13.06	8.80	3.38	1.27	---	7.59	.60
31						12.85	---	3.07	---	.55	7.55	---
MEAN						---	9.23	6.48	1.84	---	6.14	4.33
MAX						---	13.65	11.72	4.28	---	7.95	7.50
MIN						---	4.74	3.07	.85	---	.40	.60

07366200 LITTLE CORNEY BAYOU NEAR LILLIE, LA

LOCATION.--Lat 32°55'45", long 92°37'58", in NW¼ sec.1, T.22 N., R.3 W., Union Parish, Hydrologic Unit 08040206, near left bank on downstream side of bridge on State Highway 15, 1.4 mi (2.3 km) east of Lillie, and 2.6 mi (4.2 km) upstream from mouth.

DRAINAGE AREA.--208 mi² (539 km²).

PERIOD OF RECORD.--October 1955 to current year.

REVISED RECORDS.--WDR LA-79-1: 1978(M).

GAGE.--Water-stage recorder. Datum of gage is 91.48 ft (27.883 m) National Geodetic Vertical Datum of 1929. October 1955 to Jan. 26, 1956, nonrecording gage, Jan. 27, 1956, to May 31, 1978, water-stage recorder, at site 500 ft (152 m) downstream at same datum.

REMARKS.--Records good. Records of dissolved oxygen and water temperatures for the water year 1980 are published under miscellaneous water-quality sites in this report.

AVERAGE DISCHARGE.--25 years, 192 ft³/s (5.44 m³/s), 12.54 in/yr (319 mm/yr), 139,100 acre-ft/yr (172 hm³/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 24,000 ft³/s (680 m³/s) June 9, 1974, gage height, 17.54 ft (5.346 m), from floodmark; no flow Aug. 18-20, Sept. 21 to Oct. 1, Oct. 3-5, 1956, Aug. 11-14, 1964.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 1,200 ft³/s (34 m³/s) and maximum (*):

Date	Time	Discharge (ft³/s)	Discharge (m³/s)	Gage height (ft)	Gage height (m)
Jan. 24	1100	*2240	63.4	*8.74	2.664
Feb. 11	2215	1480	41.9	8.05	2.454
Mar. 30	2100	1220	34.6	7.75	2.362
Apr. 15	2100	1480	41.9	8.05	2.454

Minimum discharge, 0.25 ft³/s (0.007 m³/s) Aug. 29, gage height, 1.38 ft (0.421 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16	65	74	95	255	84	1030	329	47	13	8.1	5.3
2	15	52	67	86	239	111	729	209	42	12	5.9	4.0
3	13	40	63	90	256	115	508	195	38	11	4.0	2.9
4	12	30	60	148	273	114	375	264	36	9.9	3.0	2.4
5	11	24	59	180	239	107	237	388	33	9.7	2.3	2.1
6	10	21	59	196	217	100	135	413	29	8.6	2.2	1.7
7	9.9	19	59	210	204	99	98	290	27	7.4	2.0	1.3
8	9.9	18	57	178	223	145	87	279	27	7.0	1.7	1.2
9	9.8	20	55	116	540	187	80	274	29	6.1	1.5	1.2
10	9.7	54	54	91	920	159	72	276	29	5.5	1.4	1.9
11	10	76	53	95	1310	113	72	281	26	5.0	1.4	1.9
12	11	64	57	124	1270	159	213	219	25	4.3	1.5	1.3
13	11	44	114	114	857	240	652	133	22	3.9	1.8	.90
14	10	34	190	106	608	249	1000	121	20	3.4	1.5	.67
15	10	29	211	96	456	258	1320	173	18	3.0	1.6	.57
16	9.8	26	217	90	360	310	1280	580	17	2.7	1.9	.56
17	9.7	24	198	102	266	367	823	931	16	2.4	4.1	.52
18	11	23	124	110	200	338	569	890	15	2.7	1.4	.52
19	11	23	86	120	158	300	449	861	17	2.3	.76	1.1
20	14	24	75	161	133	384	524	609	27	2.3	.63	1.4
21	14	33	71	319	120	614	700	427	38	2.2	.73	3.3
22	14	245	75	569	111	608	581	419	38	2.2	.92	4.3
23	18	530	114	1250	101	522	410	571	69	2.4	.77	2.6
24	21	665	309	2150	92	562	231	506	63	2.5	.62	1.7
25	26	640	444	1730	86	549	319	676	40	2.3	.51	1.9
26	22	578	506	1050	80	420	1000	528	31	1.8	.53	7.0
27	18	464	597	689	75	352	716	361	24	2.1	.45	15
28	15	319	561	494	72	375	561	138	21	6.2	.34	11
29	15	151	445	388	72	480	509	70	17	15	.56	14
30	17	88	279	312	---	991	447	57	15	13	1.0	41
31	37	---	134	289	---	1190	---	51	---	10	2.7	---
TOTAL	440.8	4423	5467	11748	9785	10602	15727	11519	896	181.9	57.82	135.24
MEAN	14.2	147	176	379	337	342	524	372	29.9	5.87	1.87	4.51
MAX	37	665	597	2150	1310	1190	1320	931	69	15	8.1	41
MIN	9.7	18	53	86	72	84	72	51	15	1.8	.34	.52
CFSM	.07	.71	.85	1.82	1.62	1.64	2.52	1.79	.14	.03	.009	.02
IN.	.08	.79	.98	2.10	1.75	1.90	2.81	2.06	.16	.03	.01	.02
AC-FT	874	8770	10840	23300	19410	21030	31190	22850	1780	361	115	268

CAL YR 1979 TOTAL 109450.90 MEAN 300 MAX 4690 MIN 8.1 CFSM 1.44 IN 19.57 AC-FT 217100
WTR YR 1980 TOTAL 70982.76 MEAN 194 MAX 2150 MIN .34 CFSM .93 IN 12.69 AC-FT 140800

07366200 LITTLE CORNEY BAYOU NEAR LILLIE, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.81	4.22	4.38	4.65	5.55	4.51	7.46	5.85	3.68	2.49	2.23	2.05
2	2.73	3.99	4.26	4.55	5.47	4.77	6.98	5.32	3.54	2.42	2.10	1.96
3	2.68	3.75	4.17	4.60	5.56	4.80	6.51	5.25	3.41	2.37	1.96	1.86
4	2.61	3.45	4.11	5.00	5.63	4.79	6.04	5.57	3.32	2.32	1.87	1.81
5	2.55	3.25	4.08	5.18	5.47	4.74	5.45	6.09	3.22	2.31	1.80	1.77
6	2.50	3.14	4.08	5.26	5.36	4.69	4.93	6.19	3.11	2.26	1.78	1.73
7	2.49	3.04	4.07	5.32	5.29	4.68	4.67	5.70	3.05	2.19	1.76	1.67
8	2.49	3.01	4.01	5.17	5.38	4.98	4.57	5.66	3.04	2.17	1.73	1.63
9	2.49	3.09	3.98	4.80	6.55	5.21	4.47	5.64	3.09	2.11	1.70	1.65
10	2.48	3.98	3.92	4.61	7.31	5.07	4.35	5.64	3.11	2.07	1.67	1.74
11	2.51	4.42	3.90	4.65	7.85	4.79	4.34	5.66	3.02	2.03	1.67	1.75
12	2.56	4.23	4.01	4.86	7.80	5.05	5.31	5.37	2.94	1.98	1.69	1.65
13	2.56	3.87	4.77	4.79	7.21	5.47	6.80	4.92	2.83	1.95	1.73	1.57
14	2.54	3.63	5.22	4.74	6.73	5.52	7.45	4.84	2.75	1.91	1.70	1.52
15	2.53	3.46	5.33	4.66	6.35	5.56	7.87	5.12	2.67	1.87	1.71	1.49
16	2.51	3.35	5.36	4.60	5.98	5.78	7.82	6.63	2.63	1.84	1.75	1.49
17	2.50	3.30	5.26	4.71	5.59	6.01	7.15	7.34	2.61	1.81	1.95	1.48
18	2.61	3.29	4.86	4.77	5.27	5.89	6.66	7.27	2.56	1.80	1.67	1.48
19	2.62	3.29	4.55	4.83	5.07	5.74	6.33	7.22	2.62	1.80	1.54	1.62
20	2.77	3.31	4.40	5.07	4.92	6.07	6.54	6.75	3.03	1.80	1.51	1.67
21	2.77	3.57	4.34	5.81	4.83	6.76	6.94	6.24	3.41	1.79	1.53	1.89
22	2.76	5.67	4.40	6.61	4.77	6.75	6.69	6.21	3.41	1.79	1.58	1.98
23	2.94	6.57	4.77	7.74	4.70	6.55	6.18	6.67	4.22	1.81	1.54	1.83
24	3.10	6.87	5.77	8.67	4.62	6.65	5.42	6.50	4.13	1.82	1.51	1.72
25	3.31	6.82	6.31	8.29	4.55	6.62	5.70	6.89	3.48	1.80	1.47	1.74
26	3.14	6.69	6.51	7.51	4.48	6.22	7.43	6.55	3.16	1.74	1.48	2.11
27	2.97	6.38	6.73	6.91	4.40	5.95	6.96	5.98	2.93	1.77	1.45	2.55
28	2.85	5.81	6.65	6.47	4.36	6.04	6.65	4.91	2.79	2.06	1.42	2.36
29	2.82	5.01	6.31	6.09	4.35	6.40	6.52	4.31	2.65	2.55	1.49	2.50
30	2.92	4.57	5.64	5.79	---	7.41	6.32	4.02	2.56	2.49	1.60	3.50
31	3.60	---	4.92	5.69	---	7.71	---	3.83	---	2.34	1.82	---
MEAN	2.73	4.30	4.87	5.56	5.57	5.72	6.22	5.81	3.10	2.05	1.69	1.86
MAX	3.60	6.87	6.73	8.67	7.85	7.71	7.87	7.34	4.22	2.55	2.23	3.50
MIN	2.48	3.01	3.90	4.55	4.35	4.51	4.34	3.83	2.56	1.74	1.42	1.48

07366300 BAYOU D'ARBONNE LAKE AT FARMERVILLE, LA

LOCATION.--Lat 32°45'25", long 92°24'50", in NW¼NW¼ sec.6, T.20 N., R.1 E., Union Parish, Hydrologic Unit 08040206, near left bank on downstream side of bridge on State Highway 33, 0.6 mi (1.0 km) southwest of Farmerville, and 5.0 mi (8.0 km) upstream from dam on Bayou D'Arbonne.

DRAINAGE AREA.--1,607 mi² (4,162 km²) at dam, 1,470 mi² (3,807 km²) at site.

PERIOD OF RECORD.--December 1964 to current year (gage heights and miscellaneous discharge measurements only). August 1925 to current year in reports of Corps of Engineers, Vicksburg district. Published as Lake D'Arbonne at Farmerville, December 1964 to September 1968.

REVISED RECORDS.--WRD LA-71: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 40.40 ft (12.314 m) National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers).

REMARKS.--Reservoir is formed by an earthfill dam containing a 799-ft (244-m) uncontrolled concrete spillway at left end. Capacity, 130,000 acre-ft (160 hm³) at spillway crest, 39.60 ft (12.07 m), gage datum. There is no dead storage. Outflow below spillway crest controlled by four 5- by 5-ft (1.52- by 1.52-m) sluice gates at outlet. Invert elevation of sluice gates at 17.6 ft (5.364 m) gage datum. Dam completed and storage began in 1964. Reservoir is used for flood control, conservation, and recreation. Gates were cl[illegible] during the water year except for Sept. 10-30.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 45.43 ft (13.847 m) June 11, 1974.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage since 1925, 45.71 ft (13.932 m) Apr. 30, 1958, from record of Corps of Engineers.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 42.22 ft (12.869 m) Apr. 15; minimum, 33.80 ft (10.302 m) Sept. 30.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
INSTANTANEOUS OBSERVATIONS AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	39.78	39.35	40.34	40.50	41.11	40.30	41.93	41.28	40.54	39.86	38.71	39.71
2	39.75	39.35	40.28	40.46	40.97	40.30	42.02	41.22	40.44	39.82	38.68	39.76
3	39.72	39.34	40.24	40.46	40.86	40.32	41.95	41.20	40.34	39.79	38.64	39.80
4	39.68	39.32	40.20	40.40	40.76	40.32	41.80	41.06	40.28	39.75	38.62	39.86
5	39.65	39.32	40.16	40.38	40.70	40.34	41.63	40.94	40.20	39.73	38.62	39.89
6	39.62	39.30	40.14	40.34	40.67	40.32	41.44	40.84	40.15	39.68	38.52	39.92
7	39.58	39.28	40.10	40.32	40.62	40.34	41.25	40.86	40.10	39.64	38.48	39.94
8	39.56	39.26	40.07	40.30	40.60	40.34	41.08	40.86	40.06	39.60	38.48	39.97
9	39.53	39.26	40.05	40.28	40.76	40.32	40.87	40.80	40.10	39.58	38.48	40.01
10	39.50	39.36	40.03	40.26	40.94	40.32	40.73	40.75	40.08	39.54	38.52	40.02
11	39.48	39.36	40.01	40.36	41.09	40.30	40.63	40.68	40.04	39.50	38.56	39.78
12	39.44	39.36	40.01	40.34	41.18	40.44	40.80	40.63	40.03	39.46	38.62	39.54
13	39.42	39.38	40.16	40.32	41.32	40.54	41.22	40.60	40.01	39.40	38.68	39.32
14	39.38	39.36	40.22	40.30	41.46	40.60	41.82	40.56	39.99	39.36	38.74	39.08
15	39.35	39.36	40.25	40.28	41.52	40.60	42.16	40.50	39.95	39.34	38.80	38.80
16	39.32	39.36	40.26	40.26	41.42	40.67	42.20	40.86	39.92	39.28	38.86	38.50
17	39.30	39.36	40.24	40.25	41.26	40.78	42.17	41.30	39.89	39.25	38.90	38.20
18	39.28	39.36	40.24	40.22	41.12	40.82	42.18	41.54	39.86	39.20	38.97	37.88
19	39.26	39.35	40.22	40.20	40.98	40.84	42.08	41.64	39.84	39.16	39.02	37.56
20	39.25	39.34	40.22	40.26	40.86	40.88	41.87	41.66	39.87	39.10	39.09	37.24
21	39.22	39.32	40.20	40.40	40.75	41.04	41.63	41.60	39.87	39.08	39.14	36.95
22	39.30	39.67	40.20	40.56	40.65	41.14	41.40	41.67	39.86	39.04	39.18	36.62
23	39.28	40.00	40.20	40.90	40.56	41.24	41.25	41.52	39.88	39.01	39.24	36.28
24	39.26	40.25	40.30	41.10	40.50	41.32	41.12	41.32	39.93	38.95	39.28	35.94
25	39.25	40.42	40.38	41.26	40.44	41.30	40.99	41.18	39.97	38.90	39.34	35.73
26	39.22	40.50	40.46	41.46	40.36	41.26	41.22	41.06	39.98	38.87	39.38	35.50
27	39.20	40.53	40.50	41.66	40.34	41.17	41.30	40.96	39.96	38.84	39.42	35.15
28	39.19	40.50	40.52	41.71	40.32	41.15	41.38	40.88	39.94	38.84	39.48	34.70
29	39.20	40.44	40.52	41.62	40.26	41.14	41.36	40.82	39.92	38.80	39.54	34.44
30	39.17	40.4[illegible]	40.54	41.46	---	41.56	41.30	40.74	39.88	38.78	39.60	34.07
31	39.32	---	40.53	41.26	---	41.73	---	40.64	---	38.75	39.66	---
MEAN	39.40	39.63	40.25	40.64	40.84	40.77	41.49	41.04	40.03	39.29	38.94	38.01
MAX	39.78	40.53	40.54	41.71	41.52	41.73	42.20	41.67	40.54	39.86	39.66	40.02
MIN	39.17	39.26	40.01	40.20	40.26	40.30	40.63	40.50	39.84	38.75	38.48	34.07

07366472 CHAUVIN BAYOU NEAR MONROE, LA

LOCATION.--Lat 32°33'34", long 92°04'31", in Lot 42, T.18 N., R.4 E., Ouachita Parish, Hydrologic Unit 08040207, on downstream end of culvert on U.S. Highway 165, 2.5 mi (4.0 km) north of Sherrouse School at Monroe, and 4.0 mi (6.4 km) upstream from mouth.

DRAINAGE AREA.--Not determined.

PERIOD OF RECORD.--November 1977 to current year (gage heights only).

GAGE.--Water-stage recorder. Datum of the gage is 31.17 ft (9.501 m) National Geodetic Vertical Datum of 1929.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 38.70 ft (11.796 m) Mar. 10-12, 1979; minimum, less than 29.88 ft (9.107 m) Aug. 3-24, 1980.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 38.07 ft (11.604 m) Apr. 27, 28; minimum, less than 29.88 ft (9.107 m) Aug. 3-24.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
INSTANTANEOUS OBSERVATIONS AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	30.16	30.37	30.13	30.54	30.71	30.89	35.38	38.02	35.41	29.99	29.88	29.98
2	30.14	30.26	30.11	30.58	30.69	30.83	35.80	37.98	35.19	29.98	29.88	30.00
3	30.12	30.20	30.08	30.55	30.66	30.79	35.96	38.03	34.97	29.98		30.17
4	30.10	30.86	30.96	30.70	30.63	30.76	36.07	37.98	34.73	29.97		30.09
5	30.09	30.16	30.71	30.63	30.59	30.77	36.15	37.92	34.40	29.97		30.08
6	30.09	30.12	30.61	30.59	30.65	30.77	36.21	37.85	34.02	29.98		30.08
7	30.10	30.14	30.56	30.57	30.62	30.79	36.24	37.79	33.66	29.97		30.09
8	30.10	30.13	30.52	30.56	30.60	30.71	36.26	37.76	33.23	30.18		30.09
9	30.09	30.14	30.49	30.53	32.32	30.67	36.27	37.61	32.85	30.07		30.16
10	30.11	30.70	30.49	30.51	32.59	30.63	36.26	37.47	32.40	29.97		30.17
11	30.10	30.42	30.45	30.71	31.86	30.64	36.24	37.31	31.90	29.92		30.15
12	30.10	30.32	30.44	30.70	31.62	31.04	36.49	37.15	31.01	29.96		30.15
13	30.12	30.25	31.83	30.62	31.57	31.13	36.99	36.99	30.92	30.01		30.14
14	30.11	30.19	31.47	30.67	31.60	30.92	37.47	36.80	30.70	30.62		30.13
15	30.11	30.16	31.28	30.56	31.65	30.84	37.61	36.61	30.63	30.40		30.13
16	30.13	30.14	31.11	30.52	31.72	31.41	37.71	37.19	30.61	30.10		30.14
17	30.14	30.12	30.90	30.48	31.70	32.56	37.79	37.37	30.30	29.98		30.16
18	30.15	30.12	30.65	30.47	31.66	32.38	37.85	37.34	30.20	29.94		30.15
19	30.16	30.11	30.58	30.49	31.58	31.96	37.90	37.35	30.48	30.05		30.14
20	30.17	30.10	30.56	30.47	31.51	31.91	37.92	37.31	30.50	30.16		30.14
21	30.17	30.08	30.52	30.56	31.40	33.57	37.91	37.17	30.50	30.29		30.17
22	30.28	31.45	30.53	31.12	31.29	32.82	37.89	37.13	30.49	30.22		30.18
23	30.33	31.40	30.49	31.67	31.17	32.57	37.85	37.00	30.56	30.00		30.17
24	30.27	31.26	31.15	31.30	31.04	32.85	37.80	36.84	30.24	29.94		30.17
25	30.25	31.29	31.01	31.12	30.89	32.77	37.74	36.68	30.11	29.93	29.88	30.17
26	30.23	31.28	30.78	31.00	30.81	32.70	38.03	36.51	30.08	29.93	29.89	30.23
27	30.19	31.52	30.63	30.85	30.75	32.62	38.06	36.33	30.46	29.89	29.90	30.20
28	30.11	31.35	30.62	30.74	30.74	33.95	38.07	36.15	30.16	29.91	29.91	30.17
29	30.39	31.20	30.57	30.69	30.72	33.90	38.05	35.97	30.03	29.88	29.93	30.18
30	30.23	30.18	30.58	30.76	---	34.97	38.02	35.78	30.01	29.88	29.95	30.22
31	30.85	---	30.56	30.82	---	35.18	---	35.60	---	29.88	29.96	---
MEAN	30.18	30.53	30.69	30.71	31.22	31.95	37.13	37.13	31.69	30.03	---	30.14
MAX	30.85	31.52	31.83	31.67	32.59	35.18	38.07	38.03	35.41	30.62	29.96	30.23
MIN	30.09	30.08	30.08	30.47	30.59	30.63	35.38	35.60	30.01	29.88	---	29.98

NOTE.--Gage height was below lowest recordable stage of 29.88 ft Aug. 3-24.

07367630 OUACHITA RIVER AT COLUMBIA LOCK AND DAM, NEAR RIVERTON, LA

LOCATION.--Lat 32°10'00", long 92°06'45", on line between NE¼ and SE¼ sec.25, T.14 N., R.3 E., Caldwell Parish, Hydrologic Unit 08040207, near left bank on upstream end of lock wall of Columbia Lock and Dam on the Ouachita River, 1.0 mi (1.6 km) northwest of Riverton, and 4.0 mi (6.4 km) northwest of Columbia.

DRAINAGE AREA.--15,630 mi^2 (40,482 km^2).

PERIOD OF RECORD.--October 1975 to current year. Gage-height records, April 1972 to December 1975, in reports of Corps of Engineers, Vicksburg district.

GAGE.--Water-stage and gage-position recorders and broad-crested weir with four radial gates. Datum of gage is 23.91 ft (7.288 m) National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Water-stage recorder for Ouachita River at Columbia (station 07367640) used as auxiliary gage for this station.

REMARKS.--Records good. Considerable regulation by five reservoirs in Arkansas and two reservoirs in Louisiana, combined capacity, 3,337,880 acre-ft (4.12 km^3), and a series of navigation locks and dams.

AVERAGE DISCHARGE.--5 years, 16,900 ft^3/s (479 m^3/s), 12,270,000 acre-ft/yr (15.1 km^3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 71,000 ft^3/s (2,010 m^3/s), May 13, 1979, tailwater gage height, 43.08 ft (13.131 m); minimum daily, 1,010 ft^3/s (28.6 m^3/s) Aug. 24, 26, 1978.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 51,300 ft^3/s (1,450 m^3/s), Apr. 25, tailwater gage height, 36.65 ft (11.171 m); minimum daily, 1,020 ft^3/s (28.9 m^3/s) July 27.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5900	4570	20600	23300	33000	31200	43100	50900	43900	3690	1160	1180
2	5730	4920	20600	24100	33200	30200	44200	50700	43800	3500	1130	1180
3	5330	6130	20400	25300	33400	29000	45300	50700	43700	3140	1140	1150
4	3990	6680	19900	25700	33400	27800	46100	50500	43500	1620	1160	1120
5	3560	6580	19200	26200	33400	26700	46600	50300	43300	2570	1240	1080
6	5030	4040	18900	25900	33200	24100	47000	49900	43100	1300	1280	1070
7	5000	3890	17400	26100	33200	22400	47200	49400	42200	2120	1400	1070
8	4570	3900	15400	25900	33200	21500	47200	48800	41400	1890	1640	1110
9	4430	4750	14500	25600	34700	20000	47100	48600	40400	1800	1210	1210
10	1940	7430	12400	25100	35400	18200	46800	47800	39300	1790	1200	1470
11	1900	7540	10900	24900	35600	16500	46500	47000	38100	1800	1250	2510
12	2630	8500	13200	24500	36000	15800	47000	46100	36800	3260	1260	2610
13	3790	9370	13600	23900	36300	15900	47800	45300	35700	3630	1250	2670
14	2590	9740	13400	23400	36700	16200	48500	44300	34100	3060	1220	2600
15	2800	9730	13100	22900	36800	17100	49000	43400	32400	3090	1250	2420
16	4010	8200	15100	22000	37100	18500	49400	44100	30500	3360	1990	2420
17	4230	7150	16300	21100	37400	24400	50000	44300	29100	2600	2590	2440
18	3490	6860	17100	20400	37500	24400	50300	44200	27500	2630	2260	2510
19	3690	6330	17600	19500	37500	24700	50600	44700	26100	3270	2270	2690
20	2350	5620	18100	18600	37500	27800	50900	45100	21800	3270	1950	2700
21	2710	4080	18300	18200	37400	30200	51000	45500	19600	2780	1590	2830
22	3460	8180	18400	20500	37300	31600	51000	46000	15900	2520	1210	2840
23	4280	12400	18700	21900	36700	32900	50800	46300	12800	1770	1240	2930
24	4100	14400	20100	22400	36100	34200	50500	46400	9350	1090	1200	2840
25	4030	16700	20300	23600	35400	35300	50700	47000	6990	1080	1200	2720
26	4050	18000	20300	26900	34700	36300	51000	46400	5370	1060	1220	2740
27	3970	18900	20700	28100	33900	37100	50900	46000	4180	1020	1230	2780
28	3610	19800	21000	29400	33000	38600	51000	45500	4690	1030	1260	2860
29	3500	20100	21400	30500	32100	39800	51100	44900	4140	1060	1240	2950
30	2230	20600	22100	31500	---	41300	51100	44200	3860	1080	1230	5370
31	3840	---	22900	32400	---	42200	---	44100	---	1100	1190	---
TOTAL	116740	285090	551900	759800	1021100	851900	1459700	1448400	823580	68980	43660	68270
MEAN	3766	9503	17800	24510	35210	27480	48660	46720	27450	2225	1408	2276
MAX	5900	20600	22900	32400	37500	42200	51100	50900	43900	3690	2590	5370
MIN	1900	3890	10900	18200	32100	15800	43100	43400	3860	1020	1130	1070
AC-FT	231600	565500	1095000	1507000	2025000	1690000	2895000	2873000	1634000	136800	86600	135400

CAL YR 1979 TOTAL 11911910 MEAN 32640 MAX 70900 MIN 1900 AC-FT 23630000
WTR YR 1980 TOTAL 7499120 MEAN 20490 MAX 51100 MIN 1020 AC-FT 14870000

07367640 OUACHITA RIVER AT COLUMBIA, LA
(National stream-quality accounting network station)

LOCATION.--Lat 32°06'28", long 92°04'27", NE¼SE¼ sec.17, T.13 N., R.4 E., Caldwell Parish, Hydrologic Unit 08040207, on downstream side of bridge on U.S. Highway 165 at Columbia, 2.1 mi (3.4 km) downstream from Baycu de Chene, and 4.2 mi (6.8 km) downstream from Columbia Lock and Dam (station 07367630).

DRAINAGE AREA.--15,700 mi² (40,700 km²), approximately.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1975 to current year (gage heights only).

GAGE.--Water-stage recorder. Datum of gage is 23.91 ft (7.288 m) National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers).

REMARKS.--Considerable regulation by five reservoirs in Arkansas and two reservoirs in Louisiana, combined capacity, 3,337,800 acre-ft (4.12 km³), and a series of navigation locks and dams.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 42.06 ft (12.820 m) May 13, 1979; minimum, 9.78 ft (2.981 m) Oct. 10, 1979.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 35.85 ft (10.927 m) Apr. 25; minimum, 9.78 ft (2.981 m) Oct. 10.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
INSTANTANEOUS OBSERVATIONS AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10.74	10.66	18.79	---	---	22.07	---	35.68	29.79	10.58	10.14	10.19
2	10.77	10.74	18.57	---	---	21.59	32.31	35.56	29.41	10.52	10.13	10.17
3	10.72	11.04	18.23	---	---	21.07	32.89	35.42	29.04	10.44	10.16	10.14
4	10.52	11.08	17.81	---	---	20.39	33.31	35.19	28.66	10.13	10.22	10.12
5	10.10	11.08	17.32	19.08	---	19.86	33.58	34.93	28.26	10.33	10.24	10.10
6	10.57	10.41	16.88	19.32	---	19.14	33.78	34.61	27.86	10.10	10.19	10.12
7	10.70	10.32	16.27	19.29	---	18.46	33.87	34.28	27.45	10.19	10.17	10.14
8	10.61	10.36	14.99	19.23	22.84	18.01	33.88	33.92	27.04	10.25	10.19	10.16
9	10.53	10.44	14.28	18.94	23.84	17.35	33.82	33.57	26.44	10.17	10.15	10.16
10	9.86	11.16	13.46	18.72	24.61	16.61	33.66	33.18	25.84	10.21	10.14	10.15
11	10.12	11.37	12.75	18.65	24.81	15.88	33.46	32.79	25.13	10.23	---	10.34
12	10.20	11.79	13.28	18.65	25.12	15.35	33.75	32.36	24.39	10.41	---	10.39
13	10.31	12.20	15.14	18.43	25.49	15.30	33.99	31.94	23.80	10.50	---	10.43
14	10.05	12.27	15.06	18.32	25.75	15.57	34.44	31.44	23.07	10.44	---	10.53
15	10.15	12.12	15.17	18.12	25.89	16.10	34.68	30.94	22.25	10.32	---	10.41
16	10.43	11.74	16.12	17.69	25.95	16.55	34.93	31.13	---	10.45	---	10.41
17	10.43	11.20	16.58	17.31	25.90	18.93	35.17	31.11	---	10.35	---	10.44
18	10.23	11.13	---	16.90	25.78	19.86	35.36	31.00	---	10.32	---	10.44
19	10.28	10.97	---	16.45	25.57	20.05	35.52	31.11	---	10.51	10.29	10.44
20	10.23	10.83	---	16.06	25.30	20.92	35.63	31.25	---	10.52	10.30	10.48
21	10.16	10.46	---	15.86	25.08	22.70	35.68	31.26	---	10.37	10.23	10.54
22	10.29	11.74	---	16.26	24.77	23.87	35.72	31.59	---	10.40	10.14	10.53
23	10.44	13.97	---	---	24.60	24.68	35.64	31.64	---	10.28	10.12	10.53
24	10.35	15.10	---	---	24.33	25.64	35.49	31.70	13.90	10.18	10.09	10.54
25	10.38	16.11	---	---	24.03	26.45	35.30	31.74	12.46	10.19	10.11	10.49
26	10.38	17.12	---	---	23.70	---	35.73	31.66	11.48	10.17	10.13	10.47
27	10.39	17.79	---	---	23.29	---	35.69	31.45	10.83	10.25	10.17	10.43
28	10.39	18.30	---	---	22.89	---	35.72	31.15	10.88	10.19	10.17	10.46
29	10.29	18.57	---	---	22.43	---	35.77	30.82	10.81	10.14	10.19	10.52
30	10.21	18.83	---	---	---	---	35.77	30.42	10.68	10.12	10.18	10.77
31	10.51	---	---	---	---	---	---	30.13	---	10.14	10.19	---
MEAN	10.37	12.70	---	---	---	---	---	32.42	---	10.30	---	10.37
MAX	10.77	18.83	---	---	25.95	---	35.77	35.68	29.79	10.58	---	10.77
MIN	9.86	10.32	12.75	15.86	22.43	15.30	---	30.13	10.68	10.10	10.09	10.10

07367640 OUACHITA RIVER AT COLUMBIA, LA--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1975 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: October 1974 to current year.
WATER TEMPERATURES: October 1975 to current year.

INSTRUMENTATION.--Water-quality monitor since October 1975.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum, 618 micromhos Oct. 3, 1977; minimum daily, 69 micromhos Mar. 4, 1975.
WATER TEMPERATURES: Maximum, 33.5°C several days during August 1976; minimum, 2.5°C Jan. 15, 1979.

EXTREMES FOR CURRENT YEAR.--
SPECIFIC CONDUCTANCE: Maximum, 539 micromhos Jan. 23; minimum, 75 micromhos Apr. 7, 8, 10, 11, 12.
WATER TEMPERATURES: Maximum, 32.0°C several days during July and August; minimum, 5.0°C Feb. 17, 18.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	TEMPER-ATURE, WATER (DEG C)	COLOR (PLAT-INUM COBALT UNITS)	TUR-BID-ITY (NTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./100 ML)	STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)
OCT 11...	1530	2000	333	6.4	26.5	50	12	7.6	.9	K20	120
NOV 06...	1100	3920	248	6.5	20.0	50	8.5	7.6	1.0	K55	900
DEC 05...	1230	19400	164	6.2	11.0	30	15	9.5	4.6	K80	K20
JAN 08...	1100	26000	137	6.0	7.0	80	24	10.2	2.2	K60	5200
FEB 13...	0830	33800	124	5.7	5.0	60	27	11.8	--	K55	300
MAR 11...	0930	16700	197	6.2	13.0	30	2.5	9.0	1.3	K40	K40
APR 08...	1015	47300	80	5.7	18.0	60	25	7.0	2.0	K76	K2700
MAY 07...	1945	47800	85	5.9	20.5	60	12	5.4	1.6	K4	160
JUN 04...	1230	38500	112	6.3	26.0	70	14	4.8	.2	K15	300
JUL 15...	1000	2740	229	6.2	33.0	60	17	4.3	--	K10	120
AUG 06...	1500	1200	338	6.8	33.5	50	15	9.6	3.3	K15	K25
SEP 04...	1645	1180	253	6.7	32.0	20	3.0	7.8	1.6	--	24

DATE	HARD-NESS (MG/L AS CACO3)	HARD-NESS, NONCAR-BONATE (MG/L CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM AD-SORP-TION RATIO	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	BICAR-BONATE (MG/L AS HCO3)	CAR-BONATE (MG/L AS CO3)	ALKA-LINITY (MG/L AS CACO3)
OCT 11...	47	19	13	3.4	40	63	2.6	2.9	33	0	27
NOV 06...	41	14	12	2.7	29	59	2.1	2.7	33	0	27
DEC 05...	27	15	7.4	2.0	19	65	1.6	2.9	14	0	11
JAN 08...	25	15	7.0	1.7	16	53	1.4	5.1	12	0	10
FEB 13...	23	16	6.7	1.6	14	54	1.3	1.7	9	0	7
MAR 11...	32	20	9.0	2.3	24	61	1.8	1.6	14	0	11
APR 08...	16	11	4.6	1.1	8.2	58	.9	1.4	6	0	5
MAY 07...	18	8	4.9	1.3	8.3	48	.9	1.5	12	0	10
JUN 04...	20	10	5.7	1.5	9.1	48	.9	2.0	13	0	11
JUL 15...	36	14	10	2.6	29	62	2.1	2.7	26	0	21
AUG 06...	49	17	14	3.4	41	63	2.6	2.5	39	0	32
SEP 04...	42	17	12	2.8	30	59	2.0	2.6	30	0	25

K Results based on colony count outside the acceptable range (non-ideal count).

07367640 OUACHITA RIVER AT COLUMBIA, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	CARBON DIOXIDE DIS-SOLVED (MG/L AS CO2)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L)	SOLIDS, DIS-SOLVED (TONS PER AC-FT)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)
OCT											
11...	21	19	65	.1	7.3	188	167	.26	.49	.54	.08
NOV											
06...	17	22	42	.1	6.1	154	133	.21	.72	.75	.17
DEC											
05...	14	11	33	.1	8.2	111	91	.15	.14	.11	.05
JAN											
08...	19	12	28	.1	8.8	106	85	.14	.10	.10	.09
FEB											
13...	29	13	22	.0	7.9	81	71	.11	.13	.13	.10
MAR											
11...	14	14	42	.0	8.0	126	109	.17	.20	.23	.23
APR											
08...	19	6.6	14	.0	6.4	66	45	.09	.05	.08	.10
MAY											
07...	27	6.6	13	.1	5.3	71	47	.10	.07	.09	.13
JUN											
04...	11	7.2	14	.0	6.4	78	52	.11	.12	.15	.16
JUL											
15...	26	14	42	.2	9.5	144	123	.20	--	.43	.12
AUG											
06...	10	21	64	.2	8.8	195	174	.27	.39	.42	--
SEP											
04...	10	22	41	.1	8.1	150	134	.20	.16	.19	.00

DATE	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS NH4)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS NH4)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, ORGANIC DIS-SOLVED (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, NH4 + ORG. SUSP. TOTAL (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC DIS. (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS N)	NITRO-GEN, DIS-SOLVED (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS NO3)
OCT											
11...	.08	.10	.10	.67	.60	.75	.07	.68	1.2	1.2	5.5
NOV											
06...	.18	.21	.23	.53	.45	.70	.07	.63	1.4	1.4	6.3
DEC											
05...	.02	.06	.03	.88	.75	.93	.16	.77	1.1	.88	4.7
JAN											
08...	.06	.11	.08	.76	.62	.85	.17	.68	.95	.78	4.2
FEB											
13...	.10	.12	.13	--	.56	--	--	.66	--	.79	--
MAR											
11...	.20	.28	.26	1.1	--	1.3	--	--	1.5	--	6.6
APR											
08...	.12	.12	.15	.90	.88	1.0	.00	1.0	1.1	1.1	4.6
MAY											
07...	.10	.16	.13	1.3	.67	1.4	.63	.77	1.5	.86	6.5
JUN											
04...	.17	.19	.22	.79	.67	.95	.11	.84	1.1	.99	4.7
JUL											
15...	.13	.15	.17	.98	.58	1.1	.39	.71	--	1.1	--
AUG											
06...	.17	--	.22	--	.93	1.1	.00	1.1	1.5	1.5	6.6
SEP											
04...	.03	.00	.04	1.1	1.1	1.1	.00	1.1	1.3	1.3	5.6

07367640 OUACHITA RIVER AT COLUMBIA, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	PHOS-PHORUS, TOTAL (MG/L AS P)	PHOS-PHORUS, TOTAL (MG/L AS PO4)	PHOS-PHORUS, DIS-SOLVED (MG/L AS P)	SILVER, TOTAL RECOV-ERABLE (UG/L AS AG)	SILVER, SUS-PENDED RECOV-ERABLE (UG/L AS AG)	SILVER, DIS-SOLVED (UG/L AS AG)	CARBON, ORGANIC TOTAL (MG/L AS C)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C)	CARBON, ORGANIC SUS-PENDED (MG/L AS C)
OCT 11...	.080	.25	.040	0	0	0	--	--	--
NOV 06...	.060	.18	.050	--	--	--	7.7	--	--
DEC 05...	.070	.21	.030	0	--	--	11	--	--
JAN 08...	.070	.21	.020	0	0	0	--	11	--
FEB 13...	.050	.15	.010	--	--	--	7.9	--	--
MAR 11...	.070	.21	.020	0	--	--	6.4	--	--
APR 08...	.080	.25	.040	0	0	0	--	11	1.3
MAY 07...	.080	.25	.040	0	--	--	8.8	--	--
JUN 04...	.090	.28	.030	--	--	--	16	--	--
JUL 15...	.140	.43	.090	0	0	0	--	11	--
AUG 06...	.130	.40	.050	0	--	--	8.6	--	--
SEP 04...	.060	.18	.010	--	--	--	8.9	--	--

DATE	ARSENIC TOTAL (UG/L AS AS)	ARSENIC SUS-PENDED TOTAL (UG/L AS AS)	ARSENIC DIS-SOLVED (UG/L AS AS)	BARIUM, TOTAL RECOV-ERABLE (UG/L AS BA)	BARIUM, SUS-PENDED RECOV-ERABLE (UG/L AS BA)	BARIUM, DIS-SOLVED (UG/L AS BA)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)	CADMIUM SUS-PENDED RECOV-ERABLE (UG/L AS CD)	CADMIUM DIS-SOLVED (UG/L AS CD)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR)	CHRO-MIUM, SUS-PENDED RECOV. (UG/L AS CR)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR)
OCT 11...	1	0	1	300	220	80	1	0	1	0	0	0
JAN 08...	1	0	1	200	150	50	1	0	1	0	0	0
APR 08...	1	0	1	100	60	40	0	--	<1	0	0	0
JUL 15...	2	1	1	100	30	70	0	--	<1	10	0	10

DATE	COBALT, TOTAL RECOV-ERABLE (UG/L AS CO)	COBALT, SUS-PENDED RECOV-ERABLE (UG/L AS CO)	COBALT, DIS-SOLVED (UG/L AS CO)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	COPPER, SUS-PENDED RECOV-ERABLE (UG/L AS CU)	COPPER, DIS-SOLVED (UG/L AS CU)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	IRON, SUS-PENDED RECOV-ERABLE (UG/L AS FE)	IRON, DIS-SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	LEAD, SUS-PENDED RECOV-ERABLE (UG/L AS PB)	LEAD, DIS-SOLVED (UG/L AS PB)
OCT 11...	0	--	<3	1	1	0	830	580	250	15	15	0
JAN 08...	0	--	<3	1	1	0	1200	870	330	4	4	0
APR 08...	2	--	3	6	0	6	1300	1000	260	4	2	2
JUL 15...	3	0	3	5	1	4	1700	1200	550	7	5	2

DATE	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MANGA-NESE, SUS-PENDED RECOV. (UG/L AS MN)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	MERCURY SUS-PENDED RECOV-ERABLE (UG/L AS HG)	MERCURY DIS-SOLVED (UG/L AS HG)	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI)	NICKEL, SUS-PENDED RECOV-ERABLE (UG/L AS NI)	NICKEL, DIS-SOLVED (UG/L AS NI)	SELE-NIUM, TOTAL (UG/L AS SE)	SELE-NIUM, SUS-PENDED TOTAL (UG/L AS SE)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)
OCT 11...	170	40	130	.1	.1	.0	2	2	0	0	0	0
JAN 08...	120	30	90	.1	.1	.0	2	--	4	0	0	0
APR 08...	80	20	60	.1	.1	.0	0	0	0	0	0	0
JUL 15...	680	50	630	.2	.2	.0	4	2	2	0	0	0

< Actual value is known to be less than the value shown.

07367640 OUACHITA RIVER AT COLUMBIA, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)	ZINC, SUS-PENDED RECOV-ERABLE (UG/L AS ZN)	ZINC, DIS-SOLVED (UG/L AS ZN)	GROSS ALPHA, DIS-SOLVED (UG/L AS U-NAT)	GROSS ALPHA, SUSP. TOTAL (UG/L AS U-NAT)	GROSS ALPHA, DIS-SOLVED (PCI/L AS U-NAT)	GROSS ALPHA, SUSP. TOTAL (PCI/L AS U-NAT)	GROSS BETA, DIS-SOLVED (PCI/L AS CS-137)	GROSS BETA, SUSP. TOTAL (PCI/L AS CS-137)	GROSS BETA, DIS-SOLVED (PCI/L AS SR/YT-90)	GROSS BETA, SUSP. TOTAL (PCI/L AS SR/YT-90)	RADIUM 226, DIS-SOLVED, RADON METHOD (PCI/L)
OCT												
11...	--	--	10	--	--	--	--	--	--	--	--	--
JAN												
08...	--	--	10	<1.3	1.5	<.9	1.0	3.1	1.5	2.9	1.5	.07
APR												
08...	10	0	10	--	--	--	--	--	--	--	--	--
JUL												
15...	20	10	10	<1.6	1.0	<1.1	.7	4.8	.8	4.6	.8	.05

DATE	URANIUM DIS-SOLVED, EXTRAC-TION (UG/L)	PHYTO-PLANK-TON, TOTAL (CELLS PER ML)	SEDI-MENT, SUS-PENDED (MG/L)	SEDI-MENT DIS-CHARGE, SUS-PENDED (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT					
11...	--	--	43	232	88
NOV					
06...	--	580	46	487	82
DEC					
05...	--	--	66	3460	84
JAN					
08...	.08	--	74	5200	78
FEB					
13...	--	--	78	7120	74
MAR					
11...	--	270	63	2840	76
APR					
08...	--	--	68	8680	69
MAY					
07...	--	370	55	7100	82
JUN					
04...	--	430	63	6550	84
JUL					
15...	.08	12000	48	355	86
AUG					
06...	--	--	68	235	82
SEP					
04...	--	--	33	105	85

< Actual value is known to be less than the value shown.

07367640 OUACHITA RIVER AT COLUMBIA, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	INSTAN- TANEOUS DIS- CHARGE (CFS)	SUS- PENDED SEDI- MENT (MG/L)	SUS- PENDED SEDI- MENT DIS- CHARGE (T/DAY)	SUS. SED. SIEVE DIAM. % FINER THAN .062 MM
OCT				
18...	1180	29	92	69
NOV				
21...	11700	30	948	73
DEC				
18...	21400	51	2950	72
JAN				
03...	28400	34	2610	91
FEB				
13...	50000	45	6080	96
MAR				
07...	50200	31	4200	84
APR				
10...	51100	60	8280	69
MAY				
15...	70600	50	9530	71
JUN				
06...	60000	47	7610	63
JUL				
18...	30200	58	4730	89
AUG				
08...	14000	67	2530	84
SEP				
06...	3380	65	593	91

07367640 OUACHITA RIVER AT COLUMBIA, LA--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1			---	---	166	153	---	---	124	123	114	113
2			---	---	158	152	---	---	123	120	118	115
3			---	---	158	156	---	---	122	119	120	117
4			---	---	161	157	---	---	124	121	125	120
5			---	---	167	161	135	132	123	121	133	126
6			261	252	170	164	136	132	121	118	140	133
7			251	248	173	170	138	127	119	114	146	140
8			256	249	178	173	145	138	114	112	152	145
9			262	256	175	167	152	145	112	110	165	152
10			267	261	168	165	166	153	112	110	184	166
11			379	268	173	167	166	161	113	110	212	185
12			380	330	175	155	160	154	117	112	212	187
13			358	310	164	155	154	150	122	116	185	177
14			517	344	160	153	151	149	127	122	187	175
15			450	337	160	156	157	151	131	127	192	186
16			331	282	168	156	159	156	131	127	192	185
17			281	255	---	---	161	159	127	123	197	185
18			258	252	---	---	169	161	123	121	202	179
19			254	243	---	---	180	170	121	117	198	173
20			251	237	---	---	186	180	117	113	209	138
21			279	252	---	---	262	171	113	109	135	116
22			359	278	---	---	498	247	109	105	132	115
23			358	282	---	---	539	240	105	102	128	115
24			280	246	---	---	377	186	102	101	115	112
25			244	217	---	---	335	236	103	100	115	108
26			231	210	---	---	234	184	104	100	106	95
27			210	199	---	---	202	188	106	103	95	91
28			280	202	---	---	201	152	109	106	105	93
29			303	230	---	---	253	130	113	109	105	100
30			227	167	---	---	133	129	---	---	103	97
31			---	---	---	---	130	124	---	---	96	91

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	91	87	90	88								
2	88	84	89	87								
3	85	82	87	86								
4	84	81	86	84								
5	80	77	85	84								
6	77	76	83	82								
7	77	75	83	82								
8	76	75	85	83								
9	77	76	84	83								
10	76	75	85	84								
11	76	75	87	85								
12	77	75	90	87								
13	78	76	92	88								
14	79	78	95	91								
15	80	78	98	95								
16	82	80	101	97								
17	82	81	103	100								
18	82	81	104	103								
19	80	79	105	104								
20	79	78	104	102								
21	79	77	105	103								
22	78	77	107	105								
23	78	76	107	106								
24	86	77	112	108								
25	89	86	115	112								
26	93	89	119	116								
27	94	93	119	118								
28	95	94	117	111								
29	93	91	111	104								
30	92	90	104	100								
31	---	---	---	---								

07367640 OUACHITA RIVER AT COLUMBIA, LA--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	---	---	21.5	21.0	11.5	11.0	---	---	8.0	7.0	11.0	11.0
2	---	---	21.0	21.0	11.0	10.5	---	---	7.0	6.5	11.0	10.5
3	---	---	21.0	20.5	10.0	9.5	---	---	6.5	6.0	10.5	10.0
4	---	---	20.5	20.0	9.5	9.0	---	---	6.0	6.0	10.0	9.5
5	---	---	20.5	20.0	9.0	9.0	8.5	8.0	6.0	6.0	10.0	9.5
6	---	---	20.0	19.5	9.0	8.5	8.0	8.0	6.0	6.0	10.0	9.5
7	---	---	19.5	19.5	8.5	8.5	8.0	7.5	6.0	6.0	10.5	10.0
8	---	---	19.5	19.0	8.5	8.5	8.0	7.5	6.0	6.0	11.5	10.5
9	---	---	19.5	19.0	8.5	8.5	8.0	7.5	6.0	5.5	12.0	11.5
10	---	---	19.0	18.5	9.0	8.5	8.0	8.0	5.5	5.5	13.0	12.0
11	23.5	23.0	18.5	18.0	9.5	9.0	8.0	8.0	5.5	5.5	13.5	12.5
12	23.5	23.0	18.0	17.5	10.5	9.5	8.0	8.0	5.5	5.0	13.5	13.0
13	23.5	23.0	17.5	17.0	10.0	9.5	8.5	8.0	5.5	5.0	14.0	13.5
14	23.0	23.0	17.0	16.5	10.0	9.5	8.5	8.5	5.5	5.5	14.0	13.5
15	23.0	22.5	16.5	16.0	9.5	9.5	9.0	8.5	6.0	5.5	14.0	13.5
16	23.0	22.5	16.0	15.5	9.5	9.5	9.0	8.5	6.0	6.0	14.0	14.0
17	23.0	22.5	15.5	15.0	---	---	9.0	8.5	6.5	6.0	14.5	14.0
18	23.0	22.5	15.0	15.0	---	---	9.5	9.0	6.5	6.0	14.5	14.0
19	23.0	22.5	15.0	14.5	---	---	10.0	9.5	6.5	6.5	14.5	14.0
20	23.5	23.0	15.0	15.0	---	---	10.5	10.0	7.0	6.5	14.5	14.0
21	23.0	23.0	15.0	15.0	---	---	10.5	10.5	8.0	7.0	14.5	14.0
22	23.0	22.5	15.0	14.5	---	---	10.5	10.5	8.5	8.0	14.0	14.0
23	22.5	22.0	14.5	14.0	---	---	10.5	10.5	9.5	8.5	14.5	14.0
24	22.5	22.0	14.0	13.5	---	---	10.5	10.0	10.0	9.5	15.0	14.0
25	22.5	22.0	13.5	13.5	---	---	10.5	10.0	10.5	10.0	14.5	14.5
26	22.0	21.5	13.5	13.0	---	---	10.5	10.0	10.5	10.5	14.5	14.5
27	22.0	21.5	13.5	13.0	---	---	10.0	10.0	11.0	10.5	14.5	14.0
28	22.0	21.5	13.0	12.5	---	---	10.0	9.5	11.5	11.0	14.5	14.0
29	21.5	21.5	12.5	12.0	---	---	9.5	9.0	11.5	11.0	14.5	14.5
30	22.0	21.5	12.0	11.5	---	---	9.0	8.5	---	---	15.0	14.5
31	21.5	21.5	---	---	---	---	8.5	8.0	---	---	15.0	14.5

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	15.0	14.5	19.5	19.0	25.0	25.0	30.5	29.5	32.0	31.5	31.0	30.0
2	15.0	15.0	19.5	19.5	25.5	25.0	31.0	30.0	31.5	31.5	30.5	30.5
3	15.5	15.0	20.0	19.5	26.0	25.5	31.0	30.5	31.5	31.5	30.5	30.5
4	16.0	15.5	20.0	19.5	26.0	25.5	31.0	30.5	31.5	31.0	31.5	30.5
5	16.0	16.0	20.0	20.0	26.5	26.0	31.0	30.5	31.5	31.0	30.5	30.5
6	16.5	16.0	20.5	20.0	26.5	26.0	31.0	31.0	31.5	31.0	31.0	30.0
7	16.5	16.5	20.5	20.5	27.0	26.5	32.0	31.0	31.5	31.0	30.5	30.0
8	17.0	16.5	20.5	20.5	27.0	27.0	31.5	31.0	31.5	31.0	30.5	30.0
9	17.5	17.0	20.5	20.5	27.0	26.5	32.0	31.5	32.0	31.5	30.5	30.0
10	17.5	17.5	20.5	20.5	26.5	26.0	31.5	31.5	32.0	31.5	30.5	30.0
11	18.0	17.5	21.0	20.5	26.5	26.0	32.0	31.5	32.0	31.5	30.5	30.0
12	18.0	17.5	21.5	21.0	26.5	26.0	32.0	30.0	32.0	31.5	30.5	30.0
13	17.5	17.0	21.5	21.0	26.5	26.0	32.0	30.0	32.0	31.5	30.5	30.0
14	17.0	16.5	21.5	21.5	26.5	26.5	32.0	30.0	32.0	31.5	30.5	30.0
15	16.5	16.0	21.5	21.5	27.0	26.5	30.5	30.0	32.0	31.5	30.5	30.0
16	16.5	16.0	21.5	21.5	27.0	26.5	31.0	30.0	31.5	31.5	30.5	30.0
17	16.5	16.5	21.5	21.5	27.5	27.0	30.5	30.5	31.5	31.0	30.5	30.0
18	17.0	16.5	22.0	21.5	28.0	27.0	31.0	30.5	32.0	31.0	30.5	30.0
19	17.0	16.5	22.0	22.0	28.0	27.5	30.5	30.5	31.5	31.0	30.5	30.0
20	17.5	17.0	22.5	22.0	27.5	27.5	31.0	30.5	31.5	31.0	30.5	30.0
21	18.0	17.5	22.5	22.5	28.0	27.5	31.0	30.5	31.5	31.5	30.5	30.0
22	18.5	18.0	22.5	22.5	28.0	27.5	30.5	30.5	32.0	31.5	30.5	30.0
23	19.0	18.5	22.5	22.5	28.0	27.5	30.5	30.0	32.0	31.5	30.5	30.0
24	19.0	19.0	23.0	22.5	28.0	28.0	31.0	30.0	31.5	31.0	30.5	30.0
25	19.5	19.0	23.0	23.0	28.5	28.0	30.5	30.0	31.5	31.0	30.0	30.0
26	19.0	19.0	23.5	23.0	29.0	28.5	30.5	30.0	31.5	31.0	30.0	29.0
27	19.0	18.5	24.0	23.5	29.5	28.5	30.5	30.0	32.0	31.0	29.0	28.5
28	18.5	18.5	24.5	24.0	29.5	29.0	32.0	31.5	31.0	30.5	28.5	28.0
29	19.0	18.5	24.5	24.5	29.5	29.0	31.5	31.5	31.0	30.5	28.5	28.0
30	19.0	19.0	24.5	24.5	30.0	29.5	32.0	30.0	30.5	30.0	28.0	27.5
31	---	---	25.0	24.5	---	---	32.0	31.0	31.0	30.5	---	---

07367640 OUACHITA RIVER AT COLUMBIA, LA--Continued

PHYTOPLANKTON ANALYSES, OCTOBER 1979 TO JULY 1980

DATE	NOV 6,79	MAR 11,80	MAY 7,80	JUN 4,80	JUL 15,80
TIME	1100	0930	1945	1230	1000
TOTAL CELLS/ML	580	270	370	430	12000
DIVERSITY: DIVISION	0.9	1.6	0.7	1.2	1.1
.CLASS	0.9	1.6	0.7	1.4	1.1
..ORDER	0.9	2.2	1.1	1.9	1.8
...FAMILY	0.9	2.4	2.1	2.4	2.1
....GENUS	0.9	2.5	2.4	3.1	3.1

ORGANISM	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT
CHLOROPHYTA (GREEN ALGAE)										
.CHLOROPHYCEAE										
..CHLOROCOCCALES										
...CHARACIACEAE										
....SCHROEDERIA	--	-	--	-	13	3	--	-	520	4
...HYDRODICTYACEAE										
....PEDIASTRUM	--	-	--	-	--	-	--	-	87	1
...OOCYSTACEAE										
....ANKISTRODESMUS	--	-	39	14	90#	24	--	-	--	-
....CHODATELLA	--	-	--	-	--	-	26	6	--	-
....DICTYOSPHAERIUM	--	-	--	-	52	14	52	12	--	-
....KIRCHNERIELLA	--	-	--	-	--	-	--	-	*	0
....SELENASTRUM	--	-	--	-	--	-	13	3	--	-
....TREUBARIA	--	-	--	-	--	-	--	-	*	0
...SCENEDESMACEAE										
....ACTINASTRUM	--	-	--	-	--	-	--	-	120	1
....CRUCIGENIA	--	-	--	-	--	-	--	-	400	3
....SCENEDESMUS	77	13	--	-	130#	34	78#	18	87	1
....TETRASTRUM	--	-	--	-	--	-	52	12	--	-
..VOLVOCALES										
...CHLAMYDOMONADACEAE										
....CHLAMYDOMONAS	--	-	13	5	26	7	13	3	100	1
...VOLVOCACEAE										
....EUDORINA	--	-	--	-	--	-	--	-	3600#	31
....PANDORINA	--	-	--	-	--	-	--	-	2600#	22
....PLATYDORINA	--	-	--	-	--	-	--	-	430	4
..ZYGNEMATALES										
...DESMIDIACEAE										
....COSMARIUM	--	-	--	-	--	-	--	-	*	0
CHRYSOPHYTA										
.BACILLARIOPHYCEAE										
..CENTRALES										
...COSCINODISCACEAE										
....COSCINODISCUS	--	-	--	-	--	-	--	-	*	0
....CYCLOTELLA	--	-	26	10	--	-	13	3	72	1
....MELOSIRA	39	7	13	5	52	14	100#	24	*	0
..PENNALES										
...FRAGILARIACEAE										
....ASTERIONELLA	--	-	100#	38	--	-	--	-	--	-
...NITZSCHIACEAE										
....NITZSCHIA	--	-	13	5	13	3	39	9	*	0
.XANTHOPHYCEAE										
..HETEROCOCCALES										
...CHLOROTHECIACEAE										
....OPHIOCYTIUM	--	-	--	-	--	-	26	6	--	-

NOTE: # - DOMINANT ORGANISM; EQUAL TO OR GREATER THAN 15%
* - OBSERVED ORGANISM, MAY NOT HAVE BEEN COUNTED; LESS THAN 1/2%

07367640 OUACHITA RIVER AT COLUMBIA, LA--Continued

PHYTOPLANKTON ANALYSES, OCTOBER 1979 TO JULY 1980--Continued

DATE TIME	NOV 6,79 1100		MAR 11,80 0930		MAY 7,80 1945		JUN 4,80 1230		JUL 15,80 1000	
ORGANISM	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT
CRYPTOPHYTA (CRYPTOMONADS)										
.CRYPTOPHYCEAE										
..CRYPTOMONADALES										
...CRYPTOMONADACEAE										
....CRYPTOMONAS	--	-	--	-	--	-	--	-	120	1
CYANOPHYTA (BLUE-GREEN ALGAE)										
.CYANOPHYCEAE										
..CHROOCOCCALES										
...CHROOCOCCACEAE										
....AGMENELLUM	--	-	--	-	--	-	--	-	1000	9
....ANACYSTIS	--	-	52#	19	--	-	13	3	1200	10
..HORMOGONALES										
...NOSTOCACEAE										
....ANABAENA	--	-	--	-	--	-	--	-	580	5
...OSCILLATORIACEAE										
....OSCILLATORIA	460#	80	--	-	--	-	--	-	460	4
EUGLENOPHYTA (EUGLENOIDS)										
.EUGLENOPHYCEAE										
..EUGLENALES										
...EUGLENACEAE										
....EUGLENA	--	-	--	-	--	-	--	-	*	0
....TRACHELOMONAS	--	-	--	-	--	-	--	-	72	1
PYRRHOPHYTA (FIRE ALGAE)										
.DINOPHYCEAE										
..PERIDINIALES										
...GLENODINIACEAE										
....GLENODINIUM	--	-	13	5	--	-	--	-	*	0

NOTE: # - DOMINANT ORGANISM: EQUAL TO OR GREATER THAN 15%
* - OBSERVED ORGANISM, MAY NOT HAVE BEEN COUNTED: LESS THAN 1/2%

07367700 BOEUF RIVER NEAR ARKANSAS-LOUISIANA STATE LINE

LOCATION.--Lat 32°58'25", long 91°26'25", in NE¼NE¼ sec.21, T.23 N., R.10 E., Morehouse-West Carroll Parish line, Hydrologic Unit 08050001, near left bank on downstream side of bridge on State Highway 835, 2.0 mi (3.2 km) downstream from Arkansas-Louisiana State line, and 7.5 mi (12.1 km) southwest of Kilbourne.

DRAINAGE AREA.--785 mi² or 2,033 km² (see REMARKS).

PERIOD OF RECORD.--October 1957 to September 1968. October 1968 to September 1973 (annual maximum gage height and discharge below 200 ft³/s or 5.664 m³/s only). October 1973 to September 1979 (daily gage heights and daily discharges below 200 ft³/s or 5.664 m³/s only). October 1979 to current year (gage heights only).

GAGE.--Water-stage recorder. Datum of gage is 72.11 ft (21.979 m) National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to Dec. 31, 1957, nonrecording gage, Dec. 31, 1957, to Oct. 1, 1961, water-stage recorder on left bank 300 ft (91 m) upstream. Prior to Oct. 1, 1978, at datum 2.00 ft higher. May 4, 1959, to Dec. 4, 1962, auxiliary nonrecording gage and Dec. 5, 1962, to Apr. 6, 1969, auxiliary water-stage recorder 1.7 mi (2.7 km) downstream from base gage at datum 74.35 ft (22.662 m) National Geodetic Vertical Datum of 1929.

REMARKS.--Diversions above and below station for irrigation. Interconnecting system of bayous and drainage ditches produces an interchange of flow under varying conditions; hence, the drainage limits were more or less arbitrarily determined. In extreme floods, considerable flow bypasses station. Flow reenters and passes stations Bayou Lafourche near Crew Lake (station 07369000) and Boeuf River near Girard (station 07368000).

AVERAGE DISCHARGE.--11 years (water years 1958-68), 952 ft³/s (26.96 m³/s), 689,700 acre-ft/yr (850 hm³/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 16,500 ft³/s (467 m³/s) Feb. 11, 1966; maximum gage height, 25.41 ft (7.745 m), present datum, about Mar. 17, 1973; no flow at times in 1966, 1974, 1977, and 1978, result of pumping for irrigation.

EXTREMES OUTSIDE PERIOD OF RECORD.--A stage of 24.8 ft (7.56 m), present datum, was reached Feb. 15, 1948 (from records of Corps of Engineers, Vicksburg district).

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 23.18 ft (7.065 m) Apr. 15; minimum, less than -0.04 ft (-0.012 m) July 5-21.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
INSTANTANEOUS OBSERVATIONS AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.14	3.96	5.22	3.64	7.12	3.35	20.63	3.54	---	---	.95	1.10
2	3.00	4.34	4.70	3.48	5.64	3.27	15.06	4.55	---	---	.81	1.34
3	2.92	3.96	4.40	3.38	4.50	3.15	6.38	3.84	---	---	.89	1.18
4	2.96	3.44	4.14	4.98	4.00	3.12	5.42	3.64	---	.90	.86	1.01
5	2.92	3.18	3.90	4.38	3.84	3.11	5.03	3.34	---		.54	.92
6	3.08	3.00	3.72	3.86	3.88	3.17	4.65	3.18	---		.28	.97
7	3.06	2.84	3.60	3.60	4.02	3.23	4.32	3.11	---		.25	1.12
8	2.94	2.74	3.50	3.48	3.84	4.28	4.00	4.04	---		.36	.97
9	2.84	2.68	3.40	3.34	---	4.65	3.68	3.71	---		.36	.64
10	2.86	15.13	3.30	3.23	---	3.78	3.50	3.39	---		.79	.63
11	2.82	14.10	3.24	3.34	---	3.44	3.40	3.20	---		.75	.41
12	2.76	7.14	3.23	10.02	6.76	5.75	12.31	3.00	---		.09	.12
13	2.72	4.76	3.14	7.16	9.66	13.21	17.53	2.87	---		-.01	.14
14	2.62	4.06	11.60	5.28	6.24	11.23	22.77	2.89	---		-.01	.79
15	2.56	3.64	9.64	4.27	5.18	5.76	23.14	3.15	---		-.01	1.05
16	2.54	3.34	7.30	3.90	4.56	5.15	22.14	18.02	---		-.02	.76
17	2.62	3.14	5.46	3.66	4.18	18.96	17.35	22.57	---		-.02	.58
18	2.56	2.96	4.40	3.54	3.70	22.35	7.76	22.25	---		.35	.34
19	2.42	3.00	3.92	4.00	3.58	22.18	5.14	17.69	---		-.02	.57
20	2.18	2.94	3.64	3.96	3.58	20.37	4.69	5.66	---		-.02	.78
21	2.20	2.80	3.44	3.70	3.61	22.79	4.16	7.32	---		-.02	.94
22	2.38	2.80	3.34	8.00	3.53	22.83	3.86	6.70	---	4.09	-.02	.95
23	2.58	14.20	3.30	17.19	3.55	20.63	3.66	5.30	---	5.27	-.01	.91
24	2.56	21.68	3.30	19.54	3.51	16.02	3.58	4.39	---	3.86	.14	1.00
25	2.58	22.10	4.66	16.04	3.41	10.17	3.44	---	---	2.94	.19	.97
26	2.78	21.66	11.64	8.16	3.27	7.86	15.40	---	---	2.08	-.01	.96
27	2.74	20.17	9.60	5.10	3.24	6.04	14.28	---	---	1.44	-.01	1.10
28	2.64	16.42	6.94	4.70	3.23	11.96	5.72	---	---	1.74	-.01	1.22
29	2.74	10.94	4.06	4.24	3.29	10.98	4.32	---	---	2.45	-.01	2.97
30	2.64	6.10	3.84	3.88	---	20.44	3.76	---	---	1.65	-.01	7.90
31	3.20	---	3.70	4.70	---	21.85	---	---	---	1.28	.05	---
MEAN	2.73	7.78	4.94	5.86	---	10.81	9.04	---	---	---	.24	1.14
MAX	3.20	22.10	11.64	19.54	9.66	22.83	23.14	22.57	---	5.27	.95	7.90
MIN	2.18	2.68	3.14	3.23	3.23	3.11	3.40	---	---	---	-.02	.12

NOTE.--Gage height below lowest recordable stage of -0.04 ft July 5-21.

07368000 BOEUF RIVER NEAR GIRARD, LA

LOCATION.--Lat 32°28'52", long 91°47'52", on line between sec.1, T.17 N., R.6 E., and sec.6, T.17 N., R.7 E., Richland Parish, Hydrologic Unit 08050001, on downstream side of bridge on U.S. Highway 80, and 0.5 mi (0.8 km) east of Girard.

DRAINAGE AREA.--1,226 mi² or 3,175 km² (see REMARKS).

PERIOD OF RECORD.--October 1938 to current year. Daily gage heights as follows: 1886-94 in reports of National Weather Service; September 1925 to December 1931 in files of Corps of Engineers, Vicksburg district; since January 1932 in reports of Corps of Engineers, Vicksburg district.

GAGE.--Water-stage recorder. Datum of gage is 49.42 ft (15.063 m) National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers)). Prior to Nov. 3, 1955, nonrecording gage at sites within 200 ft (61 m) upstream. Prior to Oct. 1, 1966, at datum 2.20 ft (0.671 m) higher. Water-stage recorder for Boeuf River southwest of Rayville (station 07368040) used as auxiliary gage for this station. Nov. 20, 1962, to Sept. 30, 1974, at datum 0.60 ft (0.183 m) lower. See WSP 2120 for changes prior to Nov. 20, 1962.

REMARKS.--Records good. Large diversions above station for irrigation. Interconnecting system of bayous and drainage ditches produces an interchange of flow under varying conditions; hence, the drainage limits were more or less arbitrarily determined. Boeuf River and Bayou Lafourche basins are connected by canal upstream. In extreme floods, considerable flow from Bayou Bartholomew basin passes this station. Records of dissolved oxygen and water temperatures for the water year 1980 are published under miscellaneous water-quality sites in this report.

AVERAGE DISCHARGE.--42 years, 371 ft³/s (10.51 m³/s), 268,800 acre-ft/yr (331 hm³/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 3,070 ft³/s (86.9 m³/s) May 2, 1958; maximum gage height, 21.51 ft (6.556 m) May 6, 1958, present datum; minimum discharge, 7.6 ft³/s (0.22 m³/s) Aug. 26, 1980, gage height, 2.69 ft (0.820 m).

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of May 7, 1927, reached a stage of 31.7 ft (9.66 m), present site and datum, (affected by overflow from Mississippi River).

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,750 ft³/s (49.6 m³/s) Mar. 21, gage height, 15.35 ft (4.679 m); minimum, 7.6 ft³/s (0.22 m³/s) Aug. 26, gage height, 2.69 ft (0.820 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTORER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	63	130	377	81	162	64	1280	187	63	34	20	11
2	57	120	239	69	158	65	1270	137	51	31	19	11
3	52	102	164	85	136	66	1090	129	43	27	18	13
4	48	85	124	119	112	60	687	143	39	24	17	15
5	44	71	106	133	94	55	393	124	37	22	17	17
6	43	57	92	121	82	52	233	100	36	20	16	19
7	41	49	79	106	74	61	146	80	34	18	14	18
8	40	42	69	87	75	73	110	65	33	18	14	18
9	39	42	60	72	272	77	90	59	32	17	15	20
10	37	42	54	63	703	74	75	61	31	16	15	20
11	37	109	52	61	929	64	62	56	28	14	15	20
12	36	269	209	54	965	95	89	50	26	14	15	19
13	34	269	677	88	798	183	419	47	25	14	14	18
14	33	185	788	130	394	338	908	41	23	13	13	17
15	32	128	698	121	273	337	1190	38	22	13	12	16
16	31	92	488	98	175	332	1310	52	20	12	14	16
17	31	69	306	77	135	1090	1330	420	19	9.7	14	16
18	31	54	250	61	106	1310	1230	765	18	10	15	17
19	31	45	200	52	92	1380	854	991	19	11	14	17
20	31	40	150	47	79	1520	474	1090	20	11	13	18
21	30	37	100	49	69	1720	284	1040	19	13	12	20
22	38	335	95	178	61	1730	183	923	20	15	10	20
23	42	845	89	516	54	1650	140	717	36	68	9.1	20
24	37	1120	140	746	48	1550	121	526	44	98	8.8	20
25	34	1280	200	821	44	1330	183	450	41	90	8.1	21
26	32	1350	250	706	42	914	431	300	37	71	7.6	23
27	31	1300	280	456	42	595	628	250	36	52	7.6	23
28	31	1190	142	274	43	619	659	180	38	38	7.6	23
29	60	935	156	180	43	731	469	150	39	28	7.7	23
30	42	757	121	148	---	1090	276	105	37	21	8.4	24
31	115	---	98	149	---	1220	---	82	---	20	9.1	---
TOTAL	1283	11149	6853	5948	6260	20445	16614	9358	966	862.7	400.0	553
MEAN	41.4	372	221	192	216	660	554	302	32.2	27.8	12.9	18.4
MAX	115	1350	788	821	965	1730	1330	1090	63	98	20	24
MIN	30	37	52	47	42	52	62	38	18	9.7	7.6	11
AC-FT	2540	22110	13590	11800	12420	40550	32950	18560	1920	1710	793	1100

CAL YR 1979 TOTAL 107999.0 MEAN 296 MAX 1680 MIN 30 AC-FT 214200
WTR YR 1980 TOTAL 80691.7 MEAN 220 MAX 1730 MIN 7.6 AC-FT 160100

07368000 BOEUF RIVER NEAR GIRARD, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.30	5.31	8.33	4.65	5.82	4.41	13.41	6.50	4.32	3.65	3.00	2.88
2	4.17	5.17	7.03	4.48	5.77	4.43	13.30	5.74	4.14	3.59	2.96	2.90
3	4.08	4.92	6.12	4.76	5.48	4.44	12.53	5.43	4.02	3.51	2.93	3.01
4	4.01	4.68	5.51	5.28	5.12	4.37	10.66	5.48	3.95	3.43	2.93	3.04
5	3.96	4.49	5.10	5.42	4.84	4.30	8.68	5.22	3.91	3.37	2.91	3.12
6	3.93	4.33	4.82	5.27	4.67	4.26	7.21	4.88	3.88	3.32	2.88	3.19
7	3.89	4.21	4.62	5.01	4.55	4.37	6.18	4.60	3.85	3.26	2.82	3.19
8	3.88	4.12	4.47	4.75	4.66	4.53	5.54	4.42	3.82	3.23	2.84	3.18
9	3.87	4.10	4.36	4.53	7.19	4.57	5.12	4.35	3.80	3.19	2.88	3.25
10	3.84	4.12	4.29	4.40	9.43	4.53	4.80	4.38	3.76	3.11	2.89	3.25
11	3.84	4.86	4.25	4.38	10.67	4.41	4.59	4.31	3.70	3.04	2.91	3.23
12	3.82	6.47	6.32	4.28	10.98	4.79	5.16	4.23	3.65	3.01	2.93	3.20
13	3.78	6.62	10.56	4.68	10.30	5.69	8.16	4.18	3.62	3.00	2.90	3.17
14	3.76	5.96	10.98	5.17	8.40	7.06	11.10	4.10	3.59	2.96	2.86	3.14
15	3.75	5.28	10.53	5.09	7.35	7.25	12.47	4.04	3.55	2.92	2.84	3.12
16	3.73	4.80	9.39	4.82	6.32	7.20	13.07	5.48	3.49	2.87	2.91	3.09
17	3.73	4.48	8.10	4.56	5.64	12.44	13.23	7.93	3.44	2.74	2.95	3.11
18	3.73	4.28	6.97	4.38	5.17	13.42	12.86	10.03	3.41	2.74	2.98	3.13
19	3.74	4.16	6.12	4.26	4.87	13.75	11.31	11.38	3.42	2.78	2.94	3.15
20	3.75	4.08	5.52	4.19	4.64	14.35	9.16	12.07	3.44	2.76	2.93	3.19
21	3.75	4.03	5.11	4.21	4.50	15.24	7.52	11.87	3.43	2.82	2.88	3.24
22	3.91	7.71	4.85	6.04	4.38	15.30	6.40	11.73	3.44	2.91	2.81	3.23
23	3.99	11.28	4.70	8.85	4.29	15.00	5.71	11.05	3.74	3.81	2.76	3.24
24	3.93	12.43	5.29	10.18	4.20	14.62	5.29	9.90	3.86	4.21	2.75	3.24
25	3.88	13.14	5.86	10.66	4.15	13.71	6.11	8.52	3.81	4.07	2.71	3.25
26	3.85	13.44	6.63	10.16	4.11	11.96	9.05	7.41	3.75	3.80	2.69	3.30
27	3.83	13.31	6.76	8.72	4.12	10.23	9.91	6.55	3.71	3.54	2.69	3.31
28	3.85	12.79	6.30	7.31	4.13	10.50	10.06	5.85	3.75	3.33	2.69	3.30
29	4.32	11.71	5.72	6.35	4.13	11.14	9.00	5.32	3.75	3.13	2.69	3.31
30	4.05	10.03	5.24	5.88	---	12.91	7.55	4.89	3.70	3.01	2.74	3.33
31	5.10	---	4.89	5.83	---	13.25	---	4.56	---	2.99	2.79	---
MEAN	3.94	6.88	6.28	5.76	5.86	8.98	8.84	6.66	3.72	3.23	2.85	3.18
MAX	5.10	13.44	10.98	10.66	10.98	15.30	13.41	12.07	4.32	4.21	3.00	3.33
MIN	3.73	4.03	4.25	4.19	4.11	4.26	4.59	4.04	3.41	2.74	2.69	2.88

07368040 BOEUF RIVER SOUTHWEST OF RAYVILLE, LA

LOCATION.--Lat 32°25'40", long 91°49'05", in NE¼ sec.26, T.17 N., R.6 E., Richland Parish, Hydrologic Unit 08050001, on left bank 5 mi (8 km) southwest of Rayville, and 6.4 mi (10.3 km) downstream from gaging station Boeuf River near Girard (station 07368000).

DRAINAGE AREA.--Not determined.

PERIOD OF RECORD.--October 1974 to current year (gage heights only). Unpublished records from February 1945 to December 1952, and November 1962 to September 1974 are available in files of Baton Rouge district office.

GAGE.--Water-stage recorder. Datum of gage is 50.00 ft (15.240 m) National Geodetic Vertical Datum of 1929. Prior to Dec. 8, 1952, nonrecording gage and prior to Sept. 30, 1974, at datum 0.60 ft (0.183 m) lower.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 13.77 ft (4.197 m) Mar. 18, 1975; minimum, not determined.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage since 1962, 15.51 ft (4.727 m), present datum, Mar. 20, 1973.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 12.38 ft (3.773 m) Mar. 21, 22; minimum, 0.87 ft (0.265 m) Aug. 27.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.61	4.10	6.86	3.76	4.54	3.49	10.93	5.37	---	2.94	1.57	1.02
2	3.51	4.02	5.77	3.63	4.51	3.52	10.78	4.71	---	2.88	1.54	1.07
3	3.43	3.89	5.01	3.66	4.30	3.51	10.25	4.33	---	2.82	1.50	1.08
4	3.35	3.74	4.50	4.24	4.07	3.49	8.90	4.21	---	2.75	1.49	1.10
5	3.30	3.63	4.15	4.25	3.89	3.45	7.29	4.04	---	2.70	1.46	1.12
6	3.25	3.52	3.89	4.18	3.78	3.42	6.02	3.83	---	2.64	1.45	1.16
7	3.21	3.45	3.74	3.99	3.68	3.49	5.14	3.64	---	2.57	1.40	1.14
8	3.21	3.39	3.61	3.84	3.83	3.54	4.57	3.51	---	2.52	1.36	1.13
9	3.22	3.37	3.51	3.69	5.81	3.53	4.19	3.44	---	2.45	1.35	1.10
10	3.16	3.37	3.44	3.59	6.41	3.52	3.90	3.41	---	2.36	1.35	1.10
11	3.17	3.47	3.39	3.56	7.19	3.46	3.72	3.39	---	2.26	1.32	1.11
12	3.14	4.30	5.42	3.48	7.02	3.68	4.27	3.34	---	2.18	1.29	1.09
13	3.10	4.75	8.77	3.53	6.93	3.98	6.45	3.32	---	2.11	1.25	1.07
14	3.10	4.49	8.94	3.76	7.07	4.83	8.60	3.28	---	2.04	1.17	1.06
15	3.08	4.10	8.60	3.80	6.01	5.27	9.66	3.28	---	1.96	1.09	1.04
16	3.06	3.83	7.67	3.70	5.21	5.25	10.18	4.68	---	1.89	1.04	1.02
17	3.07	3.65	6.90	3.58	4.57	10.04	10.35	5.88	2.83	1.80	1.04	1.01
18	3.10	3.54	---	3.50	4.25	10.86	10.20	7.36	2.78	1.74	1.04	1.02
19	3.09	3.44	---	3.44	3.99	11.09	9.23	8.59	2.78	1.75	1.05	1.03
20	3.06	3.36	---	3.39	3.81	11.58	7.60	9.38	2.78	1.66	1.02	1.05
21	3.09	3.34	---	3.39	3.69	12.32	6.19	9.34	2.78	1.64	1.01	1.08
22	3.21	6.37	---	4.87	3.59	12.37	5.25	9.60	2.77	1.66	.97	1.09
23	3.22	9.17	---	6.88	3.52	12.17	4.63	9.32	3.07	1.89	.93	1.09
24	3.20	9.92	---	7.84	3.44	11.92	4.21	8.43	3.19	2.26	.91	1.09
25	3.19	10.46	---	8.26	3.39	11.24	4.92	---	3.17	2.28	.90	1.11
26	3.16	10.72	---	8.02	3.33	10.00	7.65	---	3.12	2.14	.88	1.15
27	3.14	10.67	---	7.03	3.32	8.63	8.02	---	3.06	2.00	.87	1.17
28	3.14	10.27	5.31	5.94	3.32	8.91	8.09	---	3.03	1.88	.90	1.19
29	3.38	9.50	4.45	5.20	3.30	9.43	7.39	---	3.00	1.75	.91	1.22
30	3.29	8.22	4.15	4.79	---	10.83	6.29	---	2.97	1.65	.94	1.29
31	4.01	---	3.93	4.71	---	10.91	---	---	---	1.59	.96	---
MEAN	3.23	5.47	---	4.57	4.54	7.22	7.16	---	---	2.15	1.16	1.10
MAX	4.01	10.72	8.94	8.26	7.19	12.37	10.93	9.60	---	2.94	1.57	1.29
MIN	3.06	3.34	3.39	3.39	3.30	3.42	3.72	3.28	2.77	1.59	.67	1.01

07369000 BAYOU LAFOURCHE NEAR CREW LAKE, LA

LOCATION.--Lat 32°29'55", long 91°55'05", in SW¼ sec.36, T.18 N., R.5 E., Ouachita-Richland Parish line, Hydrologic Unit 08050001, near center of span on downstream side of bridge on U.S. Highway 80, 1.1 mi (1.8 km) upstream from Illinois Central Railroad bridge, and 2.5 mi (4.0 km) west of town of Crew Lake.

DRAINAGE AREA.--361 mi^2 or 935 km^2 (see REMARKS).

PERIOD OF RECORD.--October 1938 to current year. Prior to December 1938 monthly discharge only, published in WSP 1311.

GAGE.--Water-stage recorder. Datum of gage is 37.08 ft (11.302 m) National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to Aug. 10, 1944, nonrecording gage, Aug. 10, 1944, to June 5, 1952, water-stage recorder, and June 6 to September 30, 1952, nonrecording gage, all at same site at datum 19.00 ft (5.791 m) higher. Water-stage recorder for Bayou Lafourche near Alto (station 07369050) used as auxiliary gage for this station since Oct. 1, 1957.

REMARKS.--Records fair except those for periods of indefinite stage-discharge relation, which are poor. Small diversions above station for irrigation. Interconnecting system of bayous and drainage ditches produces an interchange of flow under varying conditions; hence, the drainage limits were more or less arbitrarily determined. Boeuf River and Bayou Lafourche basins are connected by canal upstream. In extreme floods, considerable flow from the Bayou Bartholomew basin passes this station. Records of dissolved oxygen and water temperatures for the water year 1980 are published under miscellaneous water-quality sites in this report.

COOPERATION.--Auxiliary gage-height record furnished by Corps of Engineers.

AVERAGE DISCHARGE.--42 years, 1,687 ft^3/s (47.76 m^3/s), 1,222,000 acre-ft/yr (1.51 km^3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 26,800 ft^3/s (759 m^3/s) May 2, 1958; maximum gage height, 27.55 ft (8.397 m) Feb. 14, 1966; maximum daily reverse flow not determined; no flow at times in August, September, and October 1952, result of temporary storage due to excavation of channel upstream.

EXTREMES OUTSIDE PERIOD OF RECORD.--A discharge of 17,000 ft^3/s (481 m^3/s) was measured Dec. 24, 1931 (from reports of Corps of Engineers, Vicksburg district.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 19,500 ft^3/s (552 m^3/s) Mar. 22, gage height, 26.52 ft (8.083 m); maximum daily reverse flow, 20 ft^3/s (0.566 m^3/s) June 3 (backwater from Ouachita River); minimum daily discharge (unaffected by severe backwater), 13 ft^3/s (0.37 m^3/s) Aug. 26.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	363	1540	2200	758	3750	593	16800	2500	10	185	184	116
2	320	1030	1390	621	2360	686	15000	2000	.00	126	146	130
3	280	825	1320	902	1580	514	11000	1500	-20	88	123	180
4	250	494	960	1950	1150	424	7000	1000	.00	69	125	179
5	231	292	799	1650	938	375	4000	600	25	59	139	151
6	220	218	724	1130	1140	325	2550	300	50	59	152	149
7	229	168	724	1000	1110	339	2000	1000	75	60	135	171
8	209	140	681	753	1260	565	1500	50	100	55	127	176
9	198	292	462	557	8680	1180	1000	30	125	68	126	161
10	174	4880	369	452	14100	884	800	20	150	99	98	138
11	149	7640	336	753	14500	483	750	10	165	121	78	119
12	147	5480	2300	3750	11400	2210	3240	5.0	175	101	83	105
13	124	1770	12100	3740	6130	6950	11300	2.0	185	83	90	94
14	102	1150	11800	2180	3280	7690	16300	.0	200	72	106	89
15	103	525	7220	1100	2030	5050	17100	10	190	65	94	98
16	109	360	3090	1000	1440	4860	17600	10700	172	47	90	108
17	106	295	1870	866	1110	13200	17200	15400	143	44	92	101
18	100	280	1120	825	955	16000	15000	16000	126	53	101	101
19	94	270	809	852	695	16500	11500	16400	130	60	87	94
20	94	272	682	1020	618	17000	6900	16000	255	67	84	74
21	96	258	640	1880	599	18800	3950	13300	263	723	57	76
22	109	5160	715	6550	619	19400	2260	10500	206	3490	45	84
23	108	14200	877	14000	644	19200	2000	8000	198	2500	30	95
24	90	16300	3450	14600	630	17000	1500	6000	265	1630	32	132
25	89	17100	6430	12700	573	13000	2000	3800	257	794	25	131
26	89	17400	5310	6640	541	9600	6670	2000	935	374	13	111
27	90	17100	3480	3490	466	5000	10500	1000	742	230	24	107
28	97	14900	1850	2580	424	11700	8140	300	418	214	52	105
29	231	10200	1280	2220	405	12900	5000	150	293	248	67	156
30	192	4530	1200	2100	---	14900	3200	60	249	360	106	1520
31	803	---	920	3710	---	16400	---	30	---	269	141	---
TOTAL	5596	145069	77108	96329	83127	253728	223760	128667.0	6082.00	12413	2852	5051
MEAN	181	4836	2487	3107	2866	8185	7459	4151	203	400	92.0	168
MAX	803	17400	12100	14600	14500	19400	17600	16400	935	3490	184	1520
MIN	89	140	336	452	405	325	750	.00	-20	44	13	74
AC-FT	11100	287700	152900	191100	164900	503300	443800	255200	12060	24620	5660	10020

CAL YR 1979 TOTAL 1411443.00 MEAN 3867 MAX 19000 MIN -350 AC-FT 2800000
WTR YR 1980 TOTAL 1039782.00 MEAN 2841 MAX 19400 MIN -20 AC-FT 2062000

Note.--Indefinite stage-discharge relation Jan. 15, 16, Mar. 24-27, Apr. 2-5, 7-11, 23-25, 29, 30, May 1-15, 22-31, June 1-15.

07369000 BAYOU LAFOURCHE NEAR CREW LAKE--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.21	6.00	14.28	4.25	12.32	3.87	25.86	16.81	10.46	2.48	2.48	2.12
2	3.06	4.86	11.82	3.96	10.13	4.09	25.76	16.48	9.84	2.16	2.28	2.20
3	2.90	4.40	10.31	4.57	8.31	3.67	25.00	16.39	9.15	1.88	2.15	2.46
4	2.78	3.61	8.89	7.64	7.02	3.41	23.16	15.88	8.48	1.68	2.16	2.46
5	2.70	2.95	7.51	7.44	5.92	3.25	20.67	15.46	7.87	1.57	2.24	2.31
6	2.65	2.64	6.15	6.07	5.94	3.08	18.15	15.05	7.28	1.57	2.31	2.30
7	2.69	2.40	4.94	4.97	5.64	3.13	16.47	14.65	6.63	1.57	2.22	2.41
8	2.60	2.25	4.08	4.24	5.50	3.80	15.64	14.69	5.93	1.52	2.18	2.44
9	2.55	2.95	3.52	3.78	17.60	5.19	15.10	14.54	5.31	1.67	2.17	2.36
10	2.43	12.41	3.23	3.49	23.57	4.53	14.74	13.86	4.72	1.97	2.02	2.24
11	2.30	16.92	3.12	4.24	23.82	3.58	14.44	13.35	4.14	2.13	1.87	2.14
12	2.29	14.74	7.14	10.51	22.54	7.10	16.68	12.81	3.58	1.99	1.91	2.06
13	2.15	8.80	22.03	10.40	18.22	15.93	22.67	12.11	3.10	1.82	1.97	2.00
14	2.00	5.13	23.04	8.27	14.02	16.98	25.14	11.41	2.84	1.71	2.07	1.96
15	2.01	3.70	20.46	6.05	11.80	14.18	25.66	11.08	2.61	1.64	1.99	2.02
16	2.05	3.20	15.79	4.94	10.36	12.92	25.90	20.59	2.42	1.63	1.97	2.08
17	2.03	2.96	12.34	4.49	9.26	22.56	25.94	24.54	2.26	1.39	1.98	2.04
18	1.98	2.90	10.42	4.40	8.27	24.93	25.56	24.99	2.16	1.49	2.04	2.04
19	1.93	2.86	8.90	4.46	7.46	25.30	24.38	25.25	2.17	1.57	1.95	2.00
20	1.93	2.87	7.52	4.83	6.53	25.61	22.29	25.34	2.80	1.65	1.92	1.84
21	1.95	2.81	6.24	6.73	5.94	26.30	20.00	24.55	2.83	3.57	1.70	1.86
22	2.05	12.33	5.23	14.84	5.33	26.49	18.10	24.08	2.58	10.05	1.59	1.93
23	2.04	23.65	4.56	23.50	4.80	26.49	17.13	23.29	2.54	8.09	1.44	2.00
24	1.90	25.18	9.86	23.96	4.42	26.41	16.55	20.88	2.84	6.19	1.47	2.20
25	1.89	25.65	15.13	23.20	4.05	25.90	16.55	17.74	2.78	4.33	1.30	2.20
26	1.89	25.80	14.46	19.35	3.74	24.74	20.93	15.67	4.64	3.23	1.25	2.10
27	1.90	25.67	11.76	14.46	3.53	22.91	22.75	14.72	4.21	2.69	1.38	2.08
28	1.96	25.14	8.43	12.13	3.41	23.64	21.66	13.44	3.38	2.62	1.65	2.06
29	2.70	23.49	6.25	10.85	3.35	24.17	18.86	12.52	2.95	2.77	1.78	2.32
30	5.52	19.32	5.24	10.32	---	25.17	17.33	11.65	2.77	3.20	2.06	5.93
31	4.23	---	4.61	11.98	---	25.67	---	11.01	---	2.85	2.25	---
MEAN	2.46	10.59	9.59	9.18	9.41	15.65	20.64	16.93	4.51	2.73	1.93	2.27
MAX	5.52	25.80	23.04	23.96	23.82	26.49	25.94	25.34	10.46	10.05	2.48	5.93
MIN	1.89	2.25	3.12	3.49	3.35	3.08	14.44	11.01	2.16	1.39	1.25	1.84

07369050 BAYOU LAFOURCHE NEAR ALTO, LA

LOCATION.--Lat 32°23'50", long 91°59'40", in SE¼ sec.6, T.16 N., R.5 E., Ouachita-Richland Parish line, Hydrologic Unit 08050001, at bridge on State Highway 15, 8 mi (13 km) west of Alto, 9.5 mi (15.3 km) downstream from gaging station Bayou Lafourche near Crew Lake (station 07369000), and 40 mi (64 km) upstream from mouth.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--October 1973 to current year (elevations only). April 1946 to September 1973 published in reports of Corps of Engineers.

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers).

COOPERATION.--Elevations furnished by Corps of Engineers.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 61.46 ft (18.733 m) May 9, 1975; minimum, not determined.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum elevation since April 1946, 63.8 ft (19.45 m) Apr. 23, 1947; minimum, 34.82 ft (10.613 m) July 18, 19, 1969.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 60.33 ft (18.389 m) Mar. 24; minimum, 33.58 ft (10.235 m) Aug. 27.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	37.20	40.30	50.45	38.90	47.28	39.40	59.70	53.32	46.98	35.79	---	35.74
2	36.87	39.43	48.08	38.55	45.60	39.58	59.78	53.00	46.37	35.35	---	35.65
3	36.66	38.64	46.50	38.95	44.03	39.27	59.55	52.80	45.72	35.10	---	35.89
4	36.47	37.78	45.15	42.62	42.87	38.95	58.55	52.38	45.08	34.82	---	36.01
5	36.30	36.88	43.74	42.78	41.80	38.52	56.70	51.95	44.45	34.62	35.36	35.89
6	36.22	36.30	42.30	41.70	41.52	38.18	54.40	51.52	43.88	34.41	35.38	35.83
7	36.26	35.96	40.94	40.51	41.10	38.02	52.92	51.18	43.25	34.22	35.30	35.92
8	36.28	35.74	39.56	39.60	40.70	38.20	52.12	51.08	42.55	34.15	35.23	36.04
9	36.18	38.79	38.30	38.92	51.00	39.30	51.65	50.75	41.90	34.23	35.18	36.21
10	36.04	41.43	37.49	38.42	56.98	39.29	51.32	50.21	41.31	34.58	35.12	36.17
11	35.88	49.66	37.10	38.58	57.45	38.20	51.05	49.70	40.75	34.94	34.85	35.94
12	35.83	49.24	39.71	43.23	56.78	40.04	52.68	49.15	40.20	34.90	34.82	35.81
13	35.64	44.47	55.33	45.10	53.32	48.75	57.02	48.61	39.66	34.70	34.83	35.69
14	35.47	40.04	57.30	43.30	49.70	50.65	58.75	48.00	39.30	34.63	35.05	35.51
15	35.42	38.44	55.67	41.20	47.80	48.75	59.20	47.55	39.00	34.58	35.10	35.48
16	35.48	37.30	51.76	39.80	46.50	47.13	59.52	54.08	38.60	34.30	35.00	35.57
17	35.46	36.73	48.46	39.10	45.45	55.85	59.72	58.10	38.13	34.30	34.98	35.59
18	35.38	36.54	46.70	38.86	44.48	58.30	59.78	58.50	37.76	34.02	35.09	35.54
19	35.34	36.45	45.22	38.70	43.75	58.68	59.25	58.85	37.40	34.08	34.99	35.54
20	35.40	36.43	43.82	39.02	42.80	59.05	57.95	59.12	37.32	34.25	35.09	35.39
21	35.42	36.39	42.47	40.44	42.10	59.70	56.08	58.89	37.10	34.00	34.09	35.22
22	35.60	43.94	41.28	47.23	41.50	60.00	54.40	58.60	36.85	42.73	34.78	35.35
23	35.70	56.87	40.17	56.45	40.88	60.15	53.58	58.10	37.80	42.58	34.53	35.49
24	35.46	58.47	43.92	57.50	40.45	60.30	53.08	56.48	39.10	40.70	34.28	35.87
25	35.38	58.96	48.93	57.22	40.48	60.15	53.28	53.61	37.80	39.80	34.32	35.97
26	35.33	59.26	48.93	54.50	39.72	59.50	56.41	51.74	38.19	37.60	34.09	35.83
27	35.35	59.34	46.76	50.10	39.53	58.30	57.40	50.80	38.20	36.50	33.73	35.77
28	35.38	59.22	43.90	47.88	39.40	58.20	56.82	49.65	37.21	36.15	34.16	35.71
29	35.93	58.47	41.70	46.60	39.10	58.50	54.97	48.90	36.54	36.02	34.04	35.84
30	36.30	55.22	40.45	46.05	---	59.24	53.80	48.17	36.17	36.55	35.21	38.87
31	38.06	---	39.48	46.05	---	59.50	---	47.51	---	---	35.71	---
MEAN	35.93	44.42	44.89	43.83	44.97	49.92	56.05	52.65	40.15	---	---	35.84
MAX	38.06	59.34	57.30	57.50	57.45	60.30	59.78	59.12	46.98	42.73	---	38.87
MIN	35.33	35.74	37.10	38.42	39.10	38.02	51.05	47.51	36.17	34.02	33.73	35.22

07369150 BOEUF RIVER NEAR FORT NECESSITY, LA
(National stream-quality accounting network station)

LOCATION.--Lat 32°04'15", long 91°55'40", in NW¼NE¼ sec.35, T.13 N., R.5 E., Caldwell-Franklin Parish line, Hydrologic Unit 08050001, at bridge on State Highway 4 crossing, 6.7 mi (10.8 km) northwest of Fort Necessity, 0.5 mi (0.8 km) downstream from confluence of Bayou Lafourche Cutoff.

DRAINAGE AREA.--2,542 mi² (6,584 km²), arbitrarily determined because of interchange of flow.

PERIOD OF RECORD.--Water years 1976 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: April 1978 to current year.
WATER TEMPERATURES: April 1978 to current year.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum daily, 2,020 micromhos Nov. 27, 1978; minimum daily, 50 micromhos Dec. 24, 1978.
WATER TEMPERATURES: Maximum daily, 35.0°C July 18, 19, 1978; minimum daily, 5.0°C Jan. 5-9, 20, 21, Feb. 1, 5, 7, 9, 10, 1979, Feb. 4, 1980.

EXTREMES FOR CURRENT YEAR.--
SPECIFIC CONDUCTANCE: Maximum daily, 810 micromhos Oct. 30; minimum daily, 86 micromhos Feb. 11.
WATER TEMPERATURES: Maximum daily, 25.0°C Oct. 1, 3; minimum daily, 5.0°C Feb. 4.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	STREAM-FLOW, INSTANTANEOUS (CFS)	SPECIFIC CONDUCTANCE (MICRO-MHOS)	PH (UNITS)	TEMPERATURE, WATER (DEG C)	COLOR (PLATINUM COBALT UNITS)	TURBIDITY (NTU)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, BIOCHEMICAL, UNINHIB 5 DAY (MG/L)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)
OCT											
11...	1615	.00	526	7.0	22.0	15	47	6.6	.8	K25	260
NOV											
06...	1400	391	427	6.9	18.0	40	52	7.8	2.2	120	K2800
DEC											
05...	1730	2670	110	6.4	9.0	40	14	8.1	3.3	160	500
JAN											
08...	1530	1890	136	6.8	7.0	200	110	11.2	3.7	740	6200
FEB											
13...	0930	13300	102	6.2	4.0	120	230	12.3	--	1200	19000
MAR											
11...	1030	1040	356	7.0	17.0	30	--	8.0	2.2	K60	280
APR											
08...	1330	5150	87	6.1	20.0	100	97	6.1	1.6	120	130
MAY											
07...	1600	1720	70	6.3	22.0	150	330	4.7	2.1	K80	K100
JUN											
04...	1300	437	168	6.9	31.5	200	210	4.9	2.5	K60	280
JUL											
15...	1230	.00	1120	7.8	34.0	20	15	11.3	--	K20	220
AUG											
06...	1600	.00	806	7.2	31.5	15	66	9.1	1.9	K60	K55
SEP											
04...	1445	.00	1130	7.6	31.0	10	--	6.4	6.2	K120	K1900

DATE	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM ADSORPTION RATIO	POTASSIUM, DISSOLVED (MG/L AS K)	BICARBONATE (MG/L AS HCO3)	CARBONATE (MG/L AS CO3)	ALKALINITY (MG/L AS CACO3)
OCT											
11...	120	17	30	11	52	47	2.1	5.3	126	0	103
NOV											
06...	130	26	30	14	31	33	1.2	6.6	128	0	105
DEC											
05...	31	0	7.7	2.9	7.0	37	.5	5.4	38	0	31
JAN											
08...	42	6	11	3.5	9.3	32	.6	.5	44	0	36
FEB											
13...	23	2	6.3	1.8	9.6	44	.9	2.4	26	0	21
MAR											
11...	91	0	23	8.2	35	45	1.6	3.0	101	0	83
APR											
08...	22	0	6.0	1.8	8.5	42	.8	2.5	28	0	23
MAY											
07...	26	5	7.0	2.1	3.6	21	.3	2.5	26	0	21
JUN											
04...	37	0	10	2.9	15	44	1.1	3.4	46	0	38
JUL											
15...	180	46	45	16	160	65	5.2	5.1	161	0	132
AUG											
06...	130	37	31	12	120	66	4.6	3.5	109	0	89
SEP											
04...	210	54	52	20	140	58	4.2	4.2	193	0	158

K Results based on colony count outside the acceptable range (non-ideal count).

07369150 BOEUF RIVER NEAR FORT NECESSITY, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO2)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)
OCT											
11...	20	19	85	.1	9.9	288	274	.39	--	.15	.09
NOV											
06...	26	24	56	.1	9.4	244	232	.33	.19	.22	.17
DEC											
05...	24	1.9	12	.1	5.5	74	62	.10	.24	.20	.11
JAN											
08...	11	6.7	15	.1	5.8	99	75	.13	.31	.31	.16
FEB											
13...	24	8.6	9.6	.0	3.3	58	55	.08	.29	.28	.21
MAR											
11...	14	17	46	.1	8.4	192	191	.26	.37	.37	.23
APR											
08...	36	2.5	9.2	.0	4.3	67	49	.09	.12	.15	.25
MAY											
07...	21	3.3	3.6	.1	7.0	58	42	.08	.48	.46	.17
JUN											
04...	9.5	14	19	.1	5.9	110	94	.15	.56	.58	.28
JUL											
15...	4.0	13	250	.3	14	607	582	.83	.00	.01	.35
AUG											
06...	11	11	210	.2	13	488	452	.66	.10	.12	.22
SEP											
04...	7.7	24	240	.3	13	590	586	.80	.00	.01	.07

DATE	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS NH4)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS NH4)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC DIS- SOLVED (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN,NH4 + ORG. SUSP. TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC DIS. (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN, DIS- SOLVED (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS NO3)
OCT											
11...	.08	.11	.10	.85	.65	.94	.21	.73	--	.88	--
NOV											
06...	.11	.21	.14	.77	.81	.94	.02	.92	1.1	1.1	5.0
DEC											
05...	.07	.13	.09	.89	.82	1.0	.11	.89	1.2	1.1	5.5
JAN											
08...	.07	.19	.09	2.8	1.1	3.0	1.8	1.2	3.3	1.5	15
FEB											
13...	.09	.25	.12	.99	.51	1.2	.60	.60	1.5	.88	6.6
MAR											
11...	.02	.28	.03	.87	--	1.1	--	--	1.5	--	6.5
APR											
08...	.15	.30	.19	1.1	.85	1.3	.30	1.0	1.4	1.2	6.3
MAY											
07...	.04	.21	.05	1.4	1.4	1.6	.20	1.4	2.1	1.9	9.2
JUN											
04...	.06	.36	.08	1.5	.94	1.8	.80	1.0	2.4	1.6	10
JUL											
15...	.00	.42	.00	1.7	.68	2.0	1.3	.68	2.0	.69	8.9
AUG											
06...	.23	.27	.30	1.3	.87	1.5	.40	1.1	1.6	1.2	7.1
SEP											
04...	.09	.08	.12	1.5	1.0	1.6	.50	1.1	1.6	1.1	7.1

07369150 BOEUF RIVER NEAR FORT NECESSITY, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, TOTAL (MG/L AS PO4)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	SILVER, TOTAL RECOV- ERABLE (UG/L AS AG)	SILVER, SUS- PENDED RECOV- ERABLE (UG/L AS AG)	SILVER, DIS- SOLVED (UG/L AS AG)	CARBON, ORGANIC TOTAL (MG/L AS C)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C)	CARBON, ORGANIC SUS- PENDED (MG/L AS C)
OCT									
11...	.160	.49	.080	0	0	0	--	--	--
NOV									
06...	.210	.64	.090	--	--	--	8.5	--	--
DEC									
05...	.290	.89	.090	0	--	--	9.6	--	--
JAN									
08...	.320	.98	.090	0	0	0	--	8.9	--
FEB									
13...	.340	1.0	.010	--	--	--	11	--	--
MAR									
11...	.280	.86	.030	0	--	--	10	--	--
APR									
08...	.260	.80	.080	0	0	0	--	9.9	1.6
MAY									
07...	.530	1.6	.110	0	--	--	14	--	--
JUN									
04...	.430	1.3	.060	--	--	--	17	--	--
JUL									
15...	.230	.71	.040	0	0	0	--	11	1.3
AUG									
06...	.190	.58	.040	0	--	--	8.4	--	--
SEP									
04...	.190	.58	.060	--	--	--	13	--	--

DATE	ARSENIC TOTAL (UG/L AS AS)	ARSENIC SUS- PENDED TOTAL (UG/L AS AS)	ARSENIC DIS- SOLVED (UG/L AS AS)	BARIUM, TOTAL RECOV- ERABLE (UG/L AS BA)	BARIUM, SUS- PENDED RECOV- ERABLE (UG/L AS BA)	BARIUM, DIS- SOLVED (UG/L AS BA)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)	CADMIUM SUS- PENDED RECOV- ERABLE (UG/L AS CD)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)
OCT										
11...	3	1	2	400	300	100	1	0	1	0
JAN										
08...	4	2	2	200	160	40	0	--	<1	10
APR										
08...	4	2	2	200	170	30	0	--	<1	0
JUL										
15...	7	1	6	200	100	100	0	--	<1	0

DATE	CHRO- MIUM, SUS- PENDED RECOV. (UG/L AS CR)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR)	COBALT, TOTAL RECOV- ERABLE (UG/L AS CO)	COBALT, DIS- SOLVED (UG/L AS CO)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	COPPER, SUS- PENDED RECOV- ERABLE (UG/L AS CU)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	IRON, SUS- PENDED RECOV- ERABLE (UG/L AS FE)	IRON, DIS- SOLVED (UG/L AS FE)
OCT										
11...	0	0	2	3	3	1	2	2100	2100	10
JAN										
08...	10	0	2	3	3	3	0	6600	6400	200
APR										
08...	0	0	1	<3	10	2	8	5600	5500	140
JUL										
15...	0	0	4	<3	13	7	6	950	940	10

< Actual value is known to be less than the value shown.

07369150 BOEUF RIVER NEAR FORT NECESSITY, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	LEAD, SUS-PENDED RECOV-ERABLE (UG/L AS PB)	LEAD, DIS-SOLVED (UG/L AS PB)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MANGA-NESE, SUS-PENDED RECOV. (UG/L AS MN)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	MERCURY SUS-PENDED RECOV-ERABLE (UG/L AS HG)	MERCURY DIS-SOLVED (UG/L AS HG)
OCT									
11...	7	7	0	370	150	220	.0	--	.1
JAN									
08...	10	10	0	140	80	60	.1	.1	.0
APR									
08...	7	5	2	100	80	20	.2	.1	.1
JUL									
15...	10	10	0	1400	580	820	.1	.0	.1

DATE	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI)	NICKEL, SUS-PENDED RECOV-ERABLE (UG/L AS NI)	NICKEL, DIS-SOLVED (UG/L AS NI)	SELE-NIUM, TOTAL (UG/L AS SE)	SELE-NIUM, SUS-PENDED TOTAL (UG/L AS SE)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)	ZINC, SUS-PENDED RECOV-ERABLE (UG/L AS ZN)	ZINC, DIS-SOLVED (UG/L AS ZN)
OCT									
11...	6	6	0	0	0	0	0	--	7
JAN									
08...	5	3	2	0	0	0	20	10	10
APR									
08...	10	8	2	0	0	0	40	30	3
JUL									
15...	4	3	1	0	0	0	50	40	6

DATE	PHYTO-PLANK-TON, TOTAL (CELLS PER ML)	SEDI-MENT, SUS-PENDED (MG/L)	SEDI-MENT DIS-CHARGE, SUS-PENDED (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT				
11...	--	151	.00	95
NOV				
06...	4600	153	162	95
DEC				
05...	--	81	584	93
JAN				
08...	--	462	2360	96
FEB				
13...	--	250	8980	98
MAR				
11...	5000	179	503	96
APR				
08...	--	136	1890	96
MAY				
07...	1900	272	1260	99
JUN				
04...	670	246	290	96
JUL				
15...	55000	198	.00	93
AUG				
06...	--	265	.00	99
SEP				
04...	--	122	.00	89

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	251	336		---	260							
2	---	227		---	193							
3	300	277		---	219							
4	357	353		---	189							
5	---	424		---	176							
6	420	444		---	219							
7	436	534		---	280							
8	436	486		---	239							
9	---	---		---	178							
10	---	---		---	108							
11	---	340		---	86							
12	---	337		---	87							
13	---	279		---	98							
14	---	292		---	133							
15	685	269		---	144							
16	---	280		---	148							
17	---	294		---	127							
18	---	297		---	128							
19	---	351		---	138							
20	---	---		---	152							
21	---	---		---	160							
22	---	---		---	161							
23	---	---		---	226							
24	---	---		---	187							
25	---	184		---	168							
26	---	201		---	173							
27	---	---		---	164							
28	---	---		---	173							
29	---	---		---	196							
30	810	---		---	---							
31	808	---		298	---							

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	25.0	15.5		---	7.0							
2	---	15.5		---	7.0							
3	25.0	15.0		---	7.0							
4	20.5	15.0		---	5.0							
5	---	15.5		---	9.0							
6	21.0	15.0		---	9.0							
7	20.5	15.0		---	9.0							
8	20.5	15.0		---	9.0							
9	---	---		---	7.0							
10	---	---		---	7.0							
11	---	10.5		---	8.0							
12	---	10.5		---	8.0							
13	---	10.5		---	7.0							
14	---	10.5		---	---							
15	20.0	10.5		---	7.0							
16	---	10.5		---	8.0							
17	---	10.5		---	6.0							
18	---	10.5		---	10.0							
19	---	11.0		---	11.0							
20	---	---		---	14.0							
21	---	---		---	10.0							
22	---	---		---	---							
23	---	---		---	16.0							
24	---	---		---	14.0							
25	---	10.0		---	15.0							
26	---	10.0		---	12.0							
27	---	---		---	13.0							
28	---	---		---	15.0							
29	---	---		---	15.0							
30	19.0	---		---	---							
31	19.0	---		6.0	---							

07369150 BOEUF RIVER NEAR FORT NECESSITY, LA--Continued

PHYTOPLANKTON ANALYSES, OCTOBER 1979 TO JULY 1980

DATE TIME	NOV 6,79 1400	MAR 11,80 1030	MAY 7,80 1600	JUN 4,80 1300	JUL 15,80 1230
TOTAL CELLS/ML	4600	5000	1900	670	55000
DIVERSITY: DIVISION	1.6	1.5	1.8	1.6	1.4
.CLASS	1.6	1.5	1.8	1.6	1.4
..ORDER	2.5	2.0	2.3	1.6	1.4
...FAMILY	2.6	3.0	2.3	2.1	1.4
....GENUS	3.4	3.3	3.0	2.5	1.8
				2.8	2.0

ORGANISM	CELLS /ML	PER-CENT	CELLS /ML	PER-CENT	CELLS /ML	PER-CENT	CELLS /ML	PER-CENT	CELLS /ML	PER-CENT
CHLOROPHYTA (GREEN ALGAE)										
.CHLOROPHYCEAE										
..CHLOROCOCCALES										
...MICRACTINIACEAE										
....MICRACTINIUM	--	-	630	13	--	-	--	-	--	-
...OOCYSTACEAE										
....ANKISTRODESMUS	170	4	170	3	140	7	13	2	--	-
....CHLORELLA	--	-	--	-	--	-	13	2	--	-
....CHODATELLA	--	-	29	1	140	7	--	-	--	-
....DICTYOSPHAERIUM	--	-	43	1	--	-	--	-	--	-
....KIRCHNERIELLA	110	2	72	1	140	7	--	-	--	-
....OOCYSTIS	--	-	58	1	--	-	52	8	--	-
....TREUBARIA	*	0	*	0	--	-	--	-	--	-
...SCENEDESMACEAE										
....CRUCIGENIA	60	1	--	-	--	-	--	-	--	-
....SCENEDESMUS	90	2	370	7	--	-	26	4	--	-
....TETRASTRUM	120	3	120	2	--	-	--	-	--	-
..VOLVOCALES										
...CHLAMYDOMONADACEAE										
....CARTERIA	--	-	--	-	--	-	--	-	18000#	32
....CHLAMYDOMONAS	140	3	43	1	--	-	52	8	2200	4
...VOLVOCACEAE										
....PANDORINA	--	-	--	-	--	-	210#	31	--	-
CHRYSOPHYTA										
.BACILLARIOPHYCEAE										
..CENTRALES										
...COSCINODISCACEAE										
....CYCLOTELLA	240	5	270	5	410#	21	26	4	720	1
....MELOSIRA	240	5	220	4	270	14	--	-	480	1
..PENNALES										
...FRAGILARIACEAE										
....SYNEDRA	30	1	240	5	140	7	--	-	--	-
...NAVICULACEAE										
....NAVICULA	60	1	*	0	--	-	--	-	--	-
...NITZSCHIACEAE										
....NITZSCHIA	110	2	270	5	--	-	--	-	--	-
.XANTHOPHYCEAE										
..HETEROCOCCALES										
...CHLOROTHECIACEAE										
....OPHIOCYTIUM	45	1	--	-	--	-	--	-	--	-
CRYPTOPHYTA (CRYPTOMONADS)										
.CRYPTOPHYCEAE										
..CRYPTOMONADALES										
...CRYPTOMONADACEAE										
....CRYPTOMONAS	*	0	--	-	--	-	--	-	--	-
CYANOPHYTA (BLUE-GREEN ALGAE)										
.CYANOPHYCEAE										
..CHROOCOCCALES										
...CHROOCOCCACEAE										
....AGMENELLUM	1100#	24	--	-	--	-	--	-	--	-
....ANACYSTIS	270	6	170	3	140	7	130#	19	--	-
..HORMOGONALES										
...NOSTOCACEAE										
....ANABAENA	--	-	860#	17	--	-	--	-	6700	12
...OSCILLATORIACEAE										
....LYNGBYA	230	5	--	-	--	-	--	-	--	-
....OSCILLATORIA	1300#	27	1400#	28	410#	21	--	-	24000#	43
EUGLENOPHYTA (EUGLENOIDS)										
.EUGLENOPHYCEAE										
..EUGLENALES										
...EUGLENACEAE										
....EUGLENA	60	1	*	0	140	7	26	4	*	0
....TRACHELOMONAS	270	6	*	0	--	-	130#	19	3100	6

NOTE: # - DOMINANT ORGANISM, EQUAL TO OR GREATER THAN 15%
* - OBSERVED ORGANISM, MAY NOT HAVE BEEN COUNTED, LESS THAN 1/2%

07369205 TURKEY CREEK AT STATE HIGHWAY 15, AT WINNSBORO, LA

LOCATION.--Lat 32°09'15", long 91°42'42", in NW¼ sec.36, T.14 N., R.7 E., Franklin Parish, Hydrologic Unit 08050001, on downstream side of bridge on State Highway 15, at Winnsboro.

DRAINAGE AREA.--28.8 mi² (74.2 km²).

PERIOD OF RECORD.--March 1975 to September 1978 (gage heights and one discharge measurement). October 1978 to current year (elevations only).

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929. Prior to October 1978 at datum 50.11 ft (15.274 m) higher.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 63.49 ft (19.352 m), present datum, June 12, 1975; minimum not determined.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 61.32 ft (18.690 m) Mar. 29; minimum, 51.21 ft (15.609 m) July 20.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
INSTANTANEOUS OBSERVATIONS AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	51.37	53.81	51.90	51.59	52.31	---	59.09	53.39	---	51.29	51.60	51.31
2	51.38	52.51	51.70	51.52	51.96	---	58.06	52.45	---	51.29	51.49	51.30
3	51.39	51.84	51.60	51.52	51.75	---	57.26	52.14	51.36	51.26	51.25	51.33
4	51.38	51.56	51.58	54.92	51.64	---	55.94	51.87	51.36	51.25	51.23	51.31
5	51.43	51.42	51.49	53.54	51.58	---	54.05	51.65	51.33	51.25	51.23	51.31
6	51.48	51.36	51.52	52.61	51.73	---	52.30	51.55	51.32	51.26	51.24	51.31
7	51.50	51.41	51.48	52.18	51.70	51.55	52.03	51.49	51.34	51.26	51.23	51.30
8	51.51	51.51	51.46	52.01	51.61	52.18	51.88	51.44	51.33	51.51	51.25	52.48
9	51.53	51.60	51.46	51.82	59.11	51.99	51.71	51.43	51.32	51.31	51.26	51.27
10	51.59	52.10	51.46	51.70	58.32	51.74	51.60	51.47	51.31	51.26	51.31	51.27
11	51.60	51.69	51.46	51.69	55.89	51.58	51.52	51.42	51.30	51.24	51.33	51.27
12	51.61	51.53	51.46	51.63	54.11	52.15	59.17	51.39	51.29	51.23	51.33	51.27
13	51.60	51.48	58.98	51.57	53.41	54.07	58.71	51.39	51.29	51.24	51.28	51.28
14	51.62	51.46	57.51	51.51	52.57	52.67	58.43	51.38	51.31	51.24	51.25	51.31
15	51.63	51.47	55.37	51.54	52.03	52.03	55.80	51.38	51.30	51.24	51.24	51.33
16	51.62	51.48	53.87	51.53	51.74	51.70	53.94	58.55	51.33	51.24	51.24	51.30
17	51.58	51.50	53.30	51.52	---	54.15	53.26	57.95	51.31	51.23	51.24	---
18	51.59	51.53	52.92	51.50	---	54.70	53.08	54.58	51.34	51.24	51.23	---
19	51.59	51.55	52.25	51.46	---	53.03	53.74	53.37	51.34	51.23	51.23	---
20	51.57	51.60	51.88	51.44	---	54.52	53.08	60.32	51.32	51.22	51.25	---
21	51.56	51.62	51.70	51.44	---	57.83	52.99	---	51.30	51.23	51.25	---
22	51.54	52.64	51.69	51.92	---	54.52	52.90	---	51.31	51.24	51.26	---
23	51.47	59.69	51.63	59.52	---	52.93	52.69	---	57.74	51.24	51.27	---
24	51.43	59.00	55.29	57.88	---	52.62	52.41	---	55.43	51.24	51.26	---
25	51.39	57.24	54.26	55.79	---	52.39	52.12	---	52.85	51.25	51.27	---
26	51.38	56.51	52.97	54.51	---	52.00	60.21	---	51.97	51.23	51.28	---
27	51.39	54.72	52.34	53.75	---	51.79	58.61	---	51.55	51.24	51.30	---
28	51.40	53.46	52.01	52.62	---	60.83	56.31	---	51.38	51.63	51.29	---
29	51.47	52.67	51.78	51.97	---	60.13	54.86	---	51.34	51.26	51.31	---
30	51.43	52.21	51.75	52.64	---	60.98	54.28	---	51.30	51.24	51.29	51.39
31	55.51	---	51.65	52.61	---	60.10	---	---	---	51.24	51.29	---
MEAN	51.63	52.81	52.64	52.69	---	---	54.73	---	---	51.27	51.28	---
MAX	55.51	59.69	58.98	59.52	59.11	60.98	60.21	---	57.74	51.63	51.60	52.48
MIN	51.37	51.36	51.46	51.44	---	---	51.52	51.38	51.29	51.22	51.23	---

07369365 BUSHLEY BAYOU NEAR HARRISONBURG, LA

LOCATION.--Lat 31°44'36", long 91°49'41", in SE¼NE¼ sec.23, T.9 N., R.6 E., Catahoula Parish, Hydrologic Unit 08040207, near left bank on upstream side (corrected) of bridge on State Highway 124, 2.2 mi (3.5 km) south of Harrisonburg.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--November 1977 to current year (elevations only).

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929.

REMARKS.--Bushley Bayou, a former tributary of the Ouachita River, is now separated from that river by a dam at north end of the lake thus formed. Outflow from the lake drains by way of Bushley Bayou into Catahoula Lake through an overflow channel with a controlled grade with invert starting elevation at about 41 ft (12 m).

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 52.31 ft (15.944 m) May 2, 1979; minimum, 40.10 ft (12.292 m) Sept. 27, 28, 1980.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 49.07 ft (14.957 m) Mar. 29; minimum, 40.10 ft (12.222 m) Sept. 27, 28.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1979 TO SEPTE-BER 1980
INSTANTANEOUS OBSERVATIONS AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	42.27	41.00	43.21	---	42.86	41.59	47.21	47.04	---	41.08	---	---
2	42.08	41.08	42.87	---	42.65	41.52	46.35	46.89	---	41.03	---	---
3	41.91	41.05	42.61	---	42.46	41.50	46.41	47.07	---	40.98	---	---
4	41.78	41.03	42.39	---	42.29	41.46	46.59	46.75	41.74	40.94	---	---
5	41.65	41.01	42.21	---	42.15	41.45	46.41	46.49	41.63	40.90	---	---
6	41.55	41.00	42.08	---	42.08	41.44	46.48	46.27	41.55	40.86	---	---
7	41.46	40.97	41.94	---	41.97	41.40	46.60	46.00	41.46	40.83	---	---
8	41.39	40.96	41.83	---	41.87	41.40	46.63	45.66	41.41	---	---	---
9	41.32	40.97	41.74	---	45.06	41.37	46.51	45.25	41.34	---	---	---
10	41.24	41.25	41.65	---	47.55	41.35	46.34	44.84	41.29	---	---	40.22
11	41.18	41.25	41.59	---	47.26	41.32	46.17	44.48	41.23	---	---	---
12	41.13	41.21	41.56	---	46.40	41.30	48.42	44.10	41.20	---	---	40.20
13	41.10	41.18	45.06	---	45.49	41.40	48.42	43.75	41.12	---	---	40.18
14	41.04	41.15	46.11	---	44.74	41.38	48.27	43.38	41.09	---	---	40.18
15	41.00	41.13	45.65	---	44.19	41.34	47.68	43.05	41.05	---	---	40.18
16	40.97	41.10	44.96	---	43.70	41.31	47.16	43.77	41.02	---	---	40.16
17	40.95	41.08	44.33	---	43.28	43.97	47.02	45.84	40.98	---	---	40.12
18	40.93	41.07	---	---	42.98	45.06	47.18	46.13	40.95	---	---	40.14
19	40.92	41.06	---	---	42.72	44.70	47.32	---	40.93	---	40.38	40.14
20	40.91	41.05	---	---	42.52	44.96	47.46	---	40.96	---	40.37	40.14
21	40.90	41.05	---	---	42.36	44.81	47.54	---	40.94	---	40.36	40.16
22	40.89	41.17	---	---	42.21	44.34	47.57	---	40.92	---	40.34	40.14
23	40.93	44.43	---	---	42.10	43.83	47.54	---	41.25	---	40.32	40.14
24	40.91	46.33	---	---	41.98	43.55	47.46	---	41.53	---	40.30	40.12
25	40.88	46.50	---	---	41.88	43.26	47.28	---	41.47	---	40.29	40.12
26	40.86	46.18	---	44.82	41.78	42.97	48.09	---	41.30	---	40.28	40.16
27	40.86	45.47	---	44.23	41.71	43.00	48.10	---	41.31	---	40.27	40.12
28	40.85	44.76	---	43.72	41.64	46.92	47.53	---	41.25	---	40.26	40.10
29	40.85	44.14	---	43.32	41.59	47.44	47.31	---	41.19	---	40.28	40.12
30	40.84	43.62	---	42.99	---	48.92	47.18	---	41.12	---	40.28	40.32
31	41.06	---	---	43.05	---	48.09	---	---	---	---	---	---
MEAN	41.18	42.18	---	---	43.15	43.17	47.23	---	---	---	---	---
MAX	42.27	46.50	46.11	---	47.55	48.92	48.89	47.07	---	---	---	---
MIN	40.84	40.96	41.56	---	41.59	41.30	46.17	43.05	40.92	---	40.26	40.10

07369455 BRUSHY BAYOU AT TALLULAH, LA

LOCATION.--Lat 32°23'52", long 91°11'57", on line between secs.31 and 32, T.16 N., R.12 E., Madison Parish, Hydrologic Unit 08050003, at bridge on U.S. Highway 65 at Tallulah, 0.9 mi (1.5 km) upstream from control structure, and 1.0 mi (1.6 km) upstream from mouth.

DRAINAGE AREA.--Not determined.

PERIOD OF RECORD.--April 1974 to current year (elevations only).

GAGE.--Water-stage recorder. Datum of the gage is National Geodetic Vertical Datum of 1929.

REMARKS.--Reservoir is formed by earthfill dam on Brushy Bayou. Reservoir elevations are regulated by a drop inlet structure with crest elevation controlled by movable stop logs. The elevation can vary from 62.0 to 75.0 ft (18.90 to 22.86 m) by use of the stop logs. Reservoir is used for flood control and recreation.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 75.53 ft (23.022 m) Dec. 2, 3, 1977; minimum, 69.37 ft (21.144 m) Mar. 9, 1980 (regulated).

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 74.18 ft (22.610 m) Nov. 26; minimum, 69.37 ft (21.144 m) Mar. 9 (regulated).

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
INSTANTANEOUS OBSERVATIONS AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	72.81	72.10	71.36	73.93	73.70	72.92	73.91	73.09	71.47	71.51	70.80	70.63
2	72.83	72.26	70.52	73.88	73.66	72.82	73.60	72.92	71.21	71.47	70.84	70.61
3	72.80	72.35	72.49	73.79	73.61	72.78	73.43	72.75	72.15	71.41	70.82	70.59
4	72.74	72.42	73.14	73.04	73.55	72.73	73.31	72.57	72.27	71.36	70.82	70.57
5	72.66	72.48	73.34	73.09	73.51	72.72	73.16	72.36	72.26	71.31	70.79	70.55
6	72.58	72.51	73.39	73.05	73.47	72.66	72.99	72.21	72.18	71.26	70.77	70.52
7	72.48	72.54	73.38	73.01	73.41	72.62	72.83	72.07	72.05	71.21	70.75	70.51
8	72.38	72.56	73.35	72.96	73.35	70.94	72.65	71.97	71.91	71.23	70.73	70.49
9	72.28	72.58	73.31	72.91	73.79	69.39	72.44	71.83	71.80	71.21	70.71	70.47
10	72.14	72.73	73.27	72.86	73.94	70.62	72.24	71.68	71.68	71.19	70.69	70.45
11	72.01	72.76	73.24	72.87	73.94	69.91	72.03	71.52	71.51	71.17	70.67	70.43
12	71.85	72.79	73.24	72.83	73.94	71.49	72.40	71.33	71.40	71.15	70.65	70.43
13	71.68	72.79	73.79	72.81	73.93	72.26	73.05	71.45	71.32	71.13	70.63	70.55
14	71.51	72.79	73.85	72.78	73.90	71.29	73.44	72.18	71.19	71.10	70.61	70.66
15	71.33	72.79	73.88	72.75	73.86	71.71	73.44	72.23	71.03	71.07	70.59	70.76
16	71.15	72.78	73.90	72.72	73.79	71.80	73.37	72.83	70.95	71.15	70.57	70.92
17	70.94	72.77	73.89	72.68	73.74	72.05	73.25	72.83	71.70	71.21	70.55	71.09
18	70.90	72.76	73.88	72.63	73.69	72.16	73.21	72.78	71.91	71.19	70.53	71.23
19	70.91	72.74	73.85	72.59	73.61	72.17	73.12	73.00	71.98	71.16	70.51	71.33
20	70.96	72.72	73.81	72.53	73.55	72.27	72.98	72.98	72.01	71.13	70.49	71.39
21	71.04	72.72	73.77	72.53	73.49	72.38	72.82	72.89	71.96	71.11	70.46	71.43
22	71.10	72.74	73.76	72.75	73.42	72.38	72.65	74.07	71.92	71.08	70.44	71.44
23	71.34	73.47	73.74	73.62	73.35	72.37	72.49	73.85	71.86	71.06	70.41	71.43
24	71.41	73.79	73.98	73.71	73.29	72.39	72.35	73.46	71.78	71.05	70.50	71.42
25	71.46	74.06	74.01	73.73	73.21	72.38	72.23	73.24	71.84	71.02	70.54	71.41
26	71.48	74.17	74.04	73.75	73.14	72.38	73.35	73.02	71.82	71.00	70.55	71.41
27	71.50	73.85	74.05	73.75	73.07	72.30	73.49	72.79	71.78	70.97	70.66	71.38
28	71.51	73.21	74.04	73.74	73.01	73.17	73.46	72.54	71.70	70.94	70.65	71.35
29	71.67	72.65	74.02	73.71	72.93	73.14	73.37	72.30	71.62	70.90	70.64	71.32
30	71.73	72.07	74.01	73.76	---	73.96	73.23	72.05	71.56	70.86	70.63	71.33
31	71.83	---	73.97	73.74	---	73.98	---	71.78	---	70.82	70.65	---
MEAN	71.78	72.83	73.49	73.18	73.55	72.20	73.01	72.53	71.73	71.14	70.63	70.94
MAX	72.83	74.17	74.05	73.93	73.94	73.98	73.91	74.07	72.27	71.51	70.84	71.44
MIN	70.90	72.07	70.52	72.53	72.93	69.39	72.03	71.33	70.95	70.82	70.41	70.43

07369457 LOWER ROUNDAWAY BAYOU TRIBUTARY NEAR TALLULAH, LA

LOCATION.--Lat 32°22'33", long 91°11'57", on line between secs.43 and 44, T.16 N., R.12 E., Madison Parish, Hydrologic Unit 08050003, near center of bridge on U.S. Highway 65, 1.5 mi (2.4 km) south of Tallulah.

DRAINAGE AREA.--Not determined.

PERIOD OF RECORD.--April 1974 to current year (elevations only).

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 73.62 ft (22.439 m) June 11, 1975; minimum, not determined.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 72.05 ft (21.961 m) Mar. 30; minimum, less than 63.94 ft (19.483 m) Sept. 13-25.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
INSTANTANEOUS OBSERVATIONS AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	65.98	65.14	71.69	68.16	66.19	64.15	64.05	63.97
2	65.82	---	---	---	65.69	65.06	71.32	67.54	65.82	64.14	64.05	63.97
3	65.89	---	---	65.02	65.50	64.88	70.84	66.98	65.45	64.12	64.05	63.96
4	65.91	---	---	66.31	65.40	64.81	70.32	66.50	65.51	64.11	64.05	63.96
5	65.90	---	---	65.82	65.32	65.03	69.71	66.19	65.49	64.09	64.05	63.96
6	65.90	---	---	65.57	65.46	64.89	69.10	66.03	65.40	64.08	64.31	63.97
7	65.80	---	---	65.33	65.33	64.75	68.51	65.94	65.33	64.09	64.08	63.99
8	---	---	---	65.23	65.23	65.63	67.89	65.91	65.25	64.16	64.07	63.97
9	---	---	---	65.12	68.10	65.00	67.21	65.86	65.17	64.13	64.06	63.96
10	---	---	---	65.05	68.95	64.46	66.65	65.75	65.08	64.08	64.06	63.94
11	65.86	---	---	65.27	68.66	64.73	66.20	65.66	64.94	64.07	64.06	63.94
12	65.86	---	---	65.55	68.18	64.72	67.63	65.58	64.81	64.04	64.07	63.94
13	65.89	---	---	65.33	67.57	66.62	69.14	65.19	64.73	64.03	64.05	---
14	65.89	---	---	65.10	66.93	66.47	70.22	65.32	64.66	64.02	64.05	---
15	65.91	---	---	64.98	66.32	65.86	69.98	65.41	64.53	64.01	64.05	---
16	65.94	---	---	64.93	65.87	65.53	69.52	67.98	64.43	64.00	64.00	---
17	65.97	---	---	64.89	65.57	66.62	68.95	68.55	64.22	---	63.99	---
18	65.98	---	---	64.84	65.44	66.83	68.47	68.29	64.23	---	63.99	---
19	65.99	---	---	64.94	65.46	66.57	68.03	68.01	64.31	---	63.99	---
20	66.00	---	---	64.88	65.39	66.83	67.48	68.38	64.48	---	63.99	---
21	66.01	---	---	64.74	65.41	67.39	66.94	67.63	64.30	---	63.99	---
22	66.03	---	---	66.05	65.36	66.95	66.52	71.49	64.30	---	63.98	---
23	---	---	---	69.72	65.32	66.42	66.29	71.05	64.30	---	63.98	---
24	---	---	---	69.49	65.19	66.16	66.17	70.55	64.30	---	63.98	---
25	---	---	---	69.09	65.10	65.90	66.06	70.00	65.31	---	63.98	---
26	---	---	---	68.49	65.03	65.62	69.77	69.39	65.31	---	63.98	63.94
27	---	---	---	67.85	64.97	65.51	69.98	68.71	64.27	---	64.02	63.94
28	---	---	---	67.21	64.93	70.17	69.81	68.08	64.20	---	63.98	63.94
29	---	---	---	66.60	64.90	70.15	69.36	67.53	64.18	---	63.98	63.95
30	---	---	---	66.58	---	72.05	68.76	67.01	64.16	---	63.98	63.98
31	---	---	---	66.35	---	71.92	---	66.58	---	64.05	63.98	---
MEAN	---	---	---	---	65.95	66.41	68.62	67.46	64.82	---	64.03	---
MAX	---	---	---	69.72	68.95	72.05	71.69	71.49	66.19	---	64.31	63.99
MIN	---	---	---	---	64.90	64.46	66.06	65.19	64.16	---	63.98	---

NOTE.--Elevation was below lowest recordable elevation of 63.94 ft Sept. 13-25.

07369468 PANOLA BAYOU AT TALLULAH, LA

LOCATION.--Lat 32°25'02", long 91°12'24", in SW¼NE¼ sec.35, T.17 N., R.12 E., Madison Parish, Hydrologic Unit 08050003, at bridge on U.S. Highway 80, 1.9 mi (3.1 km) upstream from flood gates on Roundaway Bayou, 0.4 mi (0.6 km) upstream from Illinois Central Railroad, and 0.2 mi (0.3 km) northeast of Tallulah.

DRAINAGE AREA.--Not determined.

PERIOD OF RECORD.--November 1977 to current year (elevations only).

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 74.72 ft (22.775 m) May 8, 1978; minimum, 61.84 ft (18.849 m) Dec. 26, 1978 (regulated).

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 73.51 ft (22.406 m) Mar. 29; minimum, 62.37 ft (19.010 m) Oct. 13-16, 18 (regulated).

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
INSTANTANEOUS OBSERVATIONS AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	62.59	63.47	63.86	62.97	63.73	63.40	71.47	67.11	63.23	62.83	62.62	62.63
2	62.56	62.92	62.99	62.96	63.22	63.31	71.00	66.23	63.14	62.80	62.76	62.65
3	62.52	62.68	62.69	62.92	63.09	63.04	70.45	65.28	63.11	62.77	62.67	62.68
4	62.50	62.63	62.64	65.24	63.01	62.96	69.83	64.26	63.03	62.77	62.64	62.66
5	62.45	62.59	62.62	63.73	62.93	63.31	69.13	63.44	63.01	62.77	62.62	62.63
6	62.48	62.57	62.62	63.24	63.07	63.11	68.38	63.19	62.98	62.77	62.61	62.65
7	62.46	62.56	62.58	63.12	62.96	62.95	67.60	63.12	62.91	62.76	62.60	62.62
8	62.41	62.55	62.52	63.08	62.89	62.90	66.76	63.12	62.91	62.87	62.60	62.58
9	62.40	62.54	62.53	63.01	70.04	62.86	65.77	63.05	62.89	62.82	62.59	62.60
10	62.44	64.31	62.51	62.95	68.75	62.83	64.75	62.98	62.90	62.76	62.59	62.63
11	62.41	63.23	62.52	63.40	68.16	62.81	63.70	62.97	62.87	62.75	62.61	62.62
12	62.41	62.79	62.59	63.64	67.45	62.80	68.16	62.95	62.88	62.74	62.61	62.64
13	62.40	62.62	69.40	63.13	66.62	66.19	70.76	62.96	62.85	62.72	62.61	62.65
14	62.39	62.55	67.73	62.97	65.72	64.53	70.00	63.10	62.88	62.71	62.60	62.63
15	62.39	62.54	67.17	62.90	64.70	63.70	69.53	63.12	62.87	62.70	62.60	62.62
16	62.39	62.52	66.45	62.90	63.88	63.47	68.87	69.77	62.86	62.68	62.60	62.65
17	62.44	62.48	65.53	62.87	63.12	68.27	68.13	68.53	62.86	62.69	62.61	62.68
18	62.39	62.49	64.54	62.85	62.98	66.07	67.43	67.63	62.87	62.70	62.60	62.70
19	62.42	62.45	63.51	62.79	62.96	65.47	66.90	67.49	63.03	62.72	62.61	62.69
20	62.43	62.45	62.92	62.76	62.91	66.43	66.12	68.04	63.35	62.70	62.61	62.69
21	62.44	62.46	62.85	62.77	62.92	67.15	65.22	66.97	[illegible]	62.71	62.63	62.69
22	62.44	62.59	62.85	65.34	62.92	65.96	64.24	72.09	[illegible]	62.72	62.63	62.74
23	62.67	70.42	63.03	70.23	62.84	65.18	63.55	70.51	[illegible]	62.71	62.62	62.73
24	62.47	68.20	68.47	69.15	62.86	65.23	63.34	69.85	62.92	62.72	62.59	62.72
25	62.42	68.65	65.63	68.52	62.78	64.49	63.25	69.13	63.79	62.66	62.57	62.68
26	62.44	68.22	64.76	67.73	62.80	63.89	70.66	68.34	63.20	62.66	62.58	62.68
27	62.43	67.38	63.95	66.89	63.00	63.57	69.75	67.42	62.98	62.68	62.91	62.67
28	62.44	66.69	63.33	65.96	63.13	71.95	69.36	66.48	62.89	62.63	62.72	62.67
29	63.12	65.83	63.09	64.92	63.06	69.96	68.74	65.49	62.85	62.61	62.65	62.67
30	62.64	64.87	63.18	65.26	---	72.53	67.95	64.47	62.84	62.62	62.63	62.76
31	63.96	---	63.12	64.80	---	71.81	---	63.57	---	62.63	62.63	---
MEAN	62.53	64.01	64.01	64.35	64.09	65.23	67.69	65.89	63.00	62.72	62.63	62.66
MAX	63.96	70.42	69.40	70.23	70.04	72.53	71.47	72.09	63.79	62.87	62.91	62.76
MIN	62.39	62.45	62.51	62.76	62.78	62.80	63.25	62.95	62.84	62.61	62.57	62.58

07369500 TENSAS RIVER AT TENDAL, LA
(National stream-quality accounting network station)

LOCATION.--Lat 32°25'55", long 91°22'00", in NW¼ sec.29, T.17 N., R.11 E., Madison Parish, Hydrologic Unit 08050003, near left bank on upstream side of bridge on U.S. Highway 80 at Tendal, 200 ft (61 m) upstream from Illinois Central Railroad bridge, and 3 mi (5 km) east of Waverly.

DRAINAGE AREA.--309 mi² or 800 km² (see REMARKS).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--December 1935 to current year. Monthly discharge only for some periods, published in WSP 1311.

GAGE.--Water-stage recorder. Datum of gage is 50.07 ft (15.261 m) National Geodetic Vertical Datum of 1929. Prior to July 11, 1944, nonrecording gage at site 1,000 ft (305 m) upstream at same datum. July 11, 1944, to Sept. 14, 1954, nonrecording gage at same site and datum. Water-stage recorder for Tensas River southeast of Tendal (07369515) used as auxiliary gage for this station since Oct. 1, 1957. See WSP 1711 and 1731 for history of changes prior to Oct. 1, 1957.

REMARKS.--Records fair. Small diversions above station for irrigation. Interconnecting system of bayous and drainage ditches produces an interchange of flow under varying conditions; hence, the drainage limits were more or less arbitrarily determined.

AVERAGE DISCHARGE.--44 years (water years 1936-80), 334 ft³/s (9.46 m³/s), 242,000 acre-ft/yr (298 hm³/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 4,610 ft³/s (131 m³/s) Nov. 19, 1948; maximum gage height, 24.91 ft (7.593 m) June 12, 1975; minimum daily discharge, 2.8 ft³/s (0.079 m³/s) Dec. 8, 1954, but may have been less during period of indefinite stage-discharge relation in October 1954.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of May 15, 1927 (affected by overflow from Mississippi River) reached a stage of 34.02 ft (10.369 m) and is the highest since then.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 3,600 ft³/s (102 m³/s) Mar. 31; maximum gage height, 23.35 ft (7.117 m) Mar. 31; minimum discharge, 13 ft³/s (0.37 m³/s) Oct. 19, 20, gage height, 5.70 ft (1.737 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	25	852	800	199	635	88	3500	1600	335	51	138	39
2	23	736	700	157	506	140	3400	1300	263	48	124	36
3	21	543	600	171	423	127	3200	1100	192	46	113	33
4	20	408	450	550	362	107	3000	1000	146	45	99	32
5	19	294	350	650	312	107	2700	900	114	44	80	29
6	18	193	270	520	302	100	2400	750	90	44	65	27
7	18	124	200	400	273	97	2000	590	69	41	59	27
8	18	85	151	325	243	179	1800	480	57	40	57	26
9	19	66	117	240	1450	226	1400	410	50	45	54	26
10	17	155	93	199	2100	209	1200	350	48	45	51	26
11	15	232	71	169	1810	187	900	273	47	43	50	29
12	15	217	163	148	1400	321	800	213	46	44	51	30
13	15	170	1100	126	1060	938	1400	170	45	45	51	32
14	14	128	1700	107	861	784	2250	140	45	44	45	31
15	14	94	1600	91	722	599	2400	117	45	43	41	29
16	14	66	1300	81	602	539	2150	642	44	42	40	28
17	14	44	1100	76	508	1430	1900	1430	44	46	38	29
18	14	33	900	73	435	2140	1600	1290	43	51	36	29
19	14	27	750	71	374	2220	1400	995	44	50	35	34
20	14	24	600	68	320	2150	1200	1040	48	53	35	36
21	14	20	550	104	246	2200	1000	973	59	56	38	32
22	18	34	475	736	186	2110	800	1610	58	61	43	28
23	23	1000	450	2060	143	1940	700	1750	53	93	40	27
24	22	1500	600	2010	113	1880	550	1410	51	146	36	26
25	20	1700	850	1580	90	1790	650	1090	111	186	34	28
26	18	1600	700	1190	72	1590	2000	884	158	205	32	34
27	17	1300	600	942	59	1480	2700	740	136	204	31	37
28	16	1100	450	783	52	2580	2600	643	107	200	31	41
29	23	1000	350	663	51	3200	2400	532	80	192	35	39
30	32	900	300	617	---	3500	2000	457	59	176	40	35
31	281	---	230	706	---	3600	---	393	---	155	41	---
TOTAL	825	14645	18570	15812	15710	38558	56000	25272	2687	2584	1663	935
MEAN	26.6	488	599	510	542	1244	1867	815	89.6	83.4	53.6	31.2
MAX	281	1700	1700	2060	2100	3600	3500	1750	335	205	138	41
MIN	14	20	71	68	51	88	550	117	43	40	31	26
AC-FT	1640	29050	36830	31360	31160	76480	111100	50130	5330	5130	3300	1850

CAL YR 1979 TOTAL 192582 MEAN 528 MAX 3800 MIN 14 CFSM 1.71 IN 23.18 AC-FT 382000
WTR YR 1980 TOTAL 193261 MEAN 528 MAX 3600 MIN 14 CFSM 1.71 IN 23.27 AC-FT 383300

07369500 TENSAS RIVER AT TENDAL, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.87	12.17	12.65	7.74	12.00	6.74	23.16	16.47	8.96	6.12	7.08	6.07
2	5.84	12.13	11.59	7.36	10.93	7.36	22.73	15.31	8.30	6.06	6.93	6.02
3	5.81	10.89	10.59	7.43	9.97	7.21	22.12	14.73	7.79	6.03	6.81	5.98
4	5.80	9.69	9.74	10.77	9.20	6.98	21.35	13.81	7.38	6.00	6.65	5.96
5	5.78	8.73	9.04	11.54	8.62	6.97	20.41	12.64	7.03	5.99	6.42	5.92
6	5.77	8.04	8.48	10.53	8.55	6.89	19.30	11.51	6.72	5.98	6.23	5.89
7	5.78	7.39	7.98	9.54	8.35	6.85	18.08	10.53	6.46	5.94	6.15	5.89
8	5.77	6.92	7.57	8.80	8.14	7.69	16.86	9.86	6.27	5.92	6.13	5.87
9	5.78	6.67	7.21	8.22	14.67	8.06	15.69	9.41	6.18	5.98	6.10	5.87
10	5.75	7.69	6.91	7.75	18.07	7.94	14.46	8.97	6.14	5.98	6.07	5.87
11	5.73	8.33	6.63	7.48	17.84	7.78	13.21	8.55	6.13	5.94	6.06	5.92
12	5.73	8.22	7.35	7.27	16.72	8.67	13.02	8.07	6.11	5.95	6.10	5.93
13	5.73	7.86	15.72	7.00	15.51	12.62	15.82	7.81	6.09	5.95	6.09	5.96
14	5.72	7.43	17.94	6.77	14.38	12.60	18.98	7.53	6.09	5.94	6.02	5.94
15	5.71	7.02	17.53	6.57	13.28	11.55	19.16	7.37	6.09	5.92	5.97	5.91
16	5.71	6.67	16.43	6.45	12.19	10.76	18.31	10.81	6.07	5.90	5.97	5.89
17	5.71	6.37	14.88	6.39	11.09	14.36	17.36	15.49	6.07	5.96	5.94	5.92
18	5.71	6.20	14.20	6.35	10.12	17.98	16.60	15.68	6.06	6.02	5.93	5.91
19	5.71	6.12	13.15	6.32	9.34	18.58	16.01	14.77	6.07	6.00	5.92	5.97
20	5.71	6.07	12.13	6.29	8.73	18.80	15.13	14.76	6.12	6.04	5.94	6.00
21	5.72	6.02	11.16	6.74	8.20	19.28	14.05	14.70	6.28	6.07	5.98	5.95
22	5.78	6.21	10.33	10.92	7.76	19.30	12.87	17.53	6.27	6.14	6.07	5.89
23	5.84	13.26	9.68	17.94	7.38	18.96	11.68	18.46	6.18	6.54	6.04	5.88
24	5.83	17.33	11.31	18.49	7.05	18.79	10.55	17.72	6.16	7.17	5.98	5.87
25	5.80	17.94	12.78	17.48	6.76	18.46	11.17	16.61	6.91	7.58	5.96	5.90
26	5.78	17.91	12.11	16.19	6.53	17.75	19.18	15.56	7.46	7.74	5.95	5.97
27	5.76	17.06	11.03	15.05	6.36	17.32	20.63	14.47	7.21	7.73	5.95	6.02
28	5.75	15.96	10.03	13.93	6.25	20.80	20.18	13.32	6.86	7.69	5.96	6.07
29	5.84	14.86	9.23	12.91	6.25	22.00	19.14	12.09	6.51	7.61	6.02	6.04
30	5.97	13.73	8.63	12.27	---	23.23	17.80	10.89	6.24	7.48	6.09	5.99
31	8.19	---	8.16	12.36	---	23.34	---	9.82	---	7.27	6.10	---
MEAN	5.85	10.03	11.04	10.03	10.35	13.73	17.17	12.75	6.61	6.41	6.15	5.94
MAX	8.19	17.94	17.94	18.49	18.07	23.34	23.16	18.46	8.96	7.74	7.08	6.07
MIN	5.71	6.02	6.63	6.29	6.25	6.74	10.55	7.37	6.06	5.90	5.92	5.87

07369500 TENSAS RIVER AT TENDAL, LA--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1944, 1955-57, 1966-73, 1975 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: October 1967 to September 1968, November 1971 to September 1972, April 1975 to current year.
WATER TEMPERATURES: October 1967 to September 1968, April 1975 to current year.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum daily, 757 micromhos Sep. 23, 1980; minimum, 42 micromhos May 29, 1978.
WATER TEMPERATURES: Maximum, higher than 36.5°C Aug. 10, Sep. 1, 1977; minimum daily, 2.0°C Feb. 10, 1978.

EXTREMES OUTSIDE PERIOD OF DAILY RECORD.--A water temperature of 2.0°C was observed Jan. 23, 1977.

EXTREMES FOR CURRENT YEAR.--
SPECIFIC CONDUCTANCE: Maximum, 757 micromhos Sep. 23; minimum, 53 micromhos Apr. 27.
WATER TEMPERATURES: Maximum, 30.0°C Sep. 16-23; minimum, 3.5°C Feb. 11.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	STREAMFLOW, INSTANTANEOUS (CFS)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE, WATER (DEG C)	COLOR (PLATINUM COBALT UNITS)	TURBIDITY (NTU)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)
OCT 11...	0830	15	539	7.2	22.0	10	27	7.2	2.4	K20	100
NOV 07...	1030	123	238	6.7	14.0	80	91	6.5	3.2	230	1000
DEC 05...	1045	350	168	6.9	7.0	100	74	9.1	2.9	K45	230
JAN 09...	0830	240	180	7.0	7.0	120	190	10.1	3.4	240	9800
FEB 13...	0900	1090	116	6.8	4.0	80	270	11.8	--	600	K26000
MAR 11...	1500	190	205	6.9	17.0	30	330	7.2	6.0	K60	110
APR 09...	0930	1400	98	6.5	19.0	60	210	6.8	3.4	K90	1100
MAY 07...	1230	590	146	7.0	21.0	50	270	5.1	3.0	K90	440
JUN 04...	1030	140	279	7.0	27.5	5	72	3.9	1.9	K20	180
JUL 15...	1530	25	602	7.5	33.0	10	6.6	8.6	--	--	1800
AUG 06...	1100	62	435	7.5	29.5	10	25	5.2	1.8	K5	K20
SEP 04...	1200	29	704	7.6	30.0	15	2.7	7.5	6.3	92	K68

DATE	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM ADSORPTION RATIO	POTASSIUM, DISSOLVED (MG/L AS K)	BICARBONATE (MG/L AS HCO3)	CARBONATE (MG/L AS CO3)	ALKALINITY (MG/L AS CACO3)
OCT 11...	210	0	55	18	29	23	.9	4.6	295	0	242
NOV 07...	88	0	23	7.3	9.8	18	.5	6.4	122	0	100
DEC 05...	65	0	17	5.5	5.7	15	.3	5.0	85	0	70
JAN 09...	72	1	20	5.4	6.6	15	.3	6.3	87	0	71
FEB 13...	47	1	13	3.5	4.8	17	.3	2.5	56	0	46
MAR 11...	86	6	23	6.9	7.9	16	.4	3.4	97	0	80
APR 09...	37	2	10	2.9	2.7	13	.2	3.3	42	0	34
MAY 07...	59	0	16	4.7	5.0	15	.3	3.1	74	0	61
JUN 04...	110	0	30	9.2	9.9	15	.4	4.0	147	0	121
JUL 15...	230	0	59	20	41	27	1.2	5.2	324	0	266
AUG 06...	150	0	37	13	31	31	1.1	4.3	222	0	182
SEP 04...	230	0	59	21	58	35	1.7	4.4	380	0	312

K Results based on colony count outside the acceptable range (non-ideal count).

07369500 TENSAS RIVER AT TENDAL, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	CARBON DIOXIDE DIS-SOLVED (MG/L AS CO2)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L)	SOLIDS, DIS-SOLVED (TONS PER AC-FT)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)
OCT											
11...	30	14	23	.2	20	308	309	.42	.01	.03	.15
NOV											
07...	40	11	6.0	.1	11	145	135	.20	--	.29	.19
DEC											
05...	18	3.1	4.9	.1	9.0	102	93	.14	.34	.33	.09
JAN											
09...	14	7.6	4.9	.1	8.3	117	103	.16	.48	.48	.18
FEB											
13...	14	4.9	3.2	.1	4.9	65	66	.09	.37	.37	.19
MAR											
11...	20	3.5	10	.1	8.2	123	112	.17	.95	1.0	--
APR											
09...	22	2.6	2.4	.1	4.4	60	50	.08	.23	.24	--
MAY											
07...	12	5.5	3.8	.1	7.0	96	82	.13	--	.63	.27
JUN											
04...	24	3.7	7.4	.1	11	163	148	.22	.36	.40	.27
JUL											
15...	17	15	31	.5	17	346	349	.47	.00	.00	.15
AUG											
06...	12	12	22	.3	13	261	242	.36	.49	--	.11
SEP											
04...	15	9.8	33	.4	17	399	390	.54	.09	.08	.05

DATE	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS NH4)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS NH4)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, ORGANIC DIS-SOLVED (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, NH4 + ORG. SUSP. TOTAL (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC DIS. (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS N)	NITRO-GEN, DIS-SOLVED (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS NO3)
OCT											
11...	.03	--	.04	--	.90	--	--	.93	--	.96	--
NOV											
07...	.13	.23	.17	1.1	.82	1.3	.35	.95	--	1.2	--
DEC											
05...	.04	.11	.05	1.1	1.1	1.2	.10	1.1	1.5	1.4	6.8
JAN											
09...	.04	.22	.05	1.7	1.1	1.9	.80	1.1	2.4	1.6	11
FEB											
13...	.04	.23	.05	1.0	.58	1.2	.58	.62	1.6	.99	7.0
MAR											
11...	.61	--	.79	--	.49	1.9	.80	1.1	2.9	2.1	13
APR											
09...	.36	--	.46	--	.41	1.4	.63	.77	1.6	1.0	7.2
MAY											
07...	--	.21	--	1.2	.65	1.4	.20	1.2	--	1.8	--
JUN											
04...	.23	.33	.30	1.0	.71	1.3	.36	.94	1.7	1.3	7.3
JUL											
15...	.00	.18	.00	1.3	1.3	1.4	.10	1.3	1.4	1.3	6.2
AUG											
06...	.06	.13	.08	1.3	1.2	1.4	.10	1.3	1.9	--	8.4
SEP											
04...	.07	.06	.09	1.7	1.0	1.7	.60	1.1	1.8	1.2	7.9

07369500 TENSAS RIVER AT TENDAL, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	PHOS-PHORUS, TOTAL (MG/L AS P)	PHOS-PHORUS, TOTAL (MG/L AS PO4)	PHOS-PHORUS, DIS-SOLVED (MG/L AS P)	SILVER, TOTAL RECOV-ERABLE (UG/L AS AG)	SILVER, SUS-PENDED RECOV-ERABLE (UG/L AS AG)	SILVER, DIS-SOLVED (UG/L AS AG)	CARBON, ORGANIC TOTAL (MG/L AS C)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C)	CARBON, ORGANIC SUS-PENDED (MG/L AS C)
OCT 11...	.180	.55	.070	0	0	0	--	--	--
NOV 07...	.360	1.1	.120	--	--	--	13	--	--
DEC 05...	.340	1.0	.180	0	--	--	9.7	--	--
JAN 09...	.370	1.1	.070	0	0	0	--	7.9	--
FEB 13...	.370	1.1	.010	--	--	--	9.0	--	--
MAR 11...	.610	1.9	.070	0	--	--	17	--	--
APR 09...	.390	1.2	.100	1	1	0	--	5.6	1.8
MAY 07...	.470	1.4	.070	0	--	--	13	--	--
JUN 04...	.240	.74	.060	--	--	--	15	--	--
JUL 15...	.150	.46	.100	0	0	0	--	18	.7
AUG 06...	.190	.58	.090	0	--	--	7.9	--	--
SEP 04...	.190	.58	.120	--	--	--	13	--	--

DATE	ARSENIC TOTAL (UG/L AS AS)	ARSENIC SUS-PENDED TOTAL (UG/L AS AS)	ARSENIC DIS-SOLVED (UG/L AS AS)	BARIUM, TOTAL RECOV-ERABLE (UG/L AS BA)	BARIUM, SUS-PENDED RECOV-ERABLE (UG/L AS BA)	BARIUM, DIS-SOLVED (UG/L AS BA)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)	CADMIUM SUS-PENDED RECOV-ERABLE (UG/L AS CD)	CADMIUM DIS-SOLVED (UG/L AS CD)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR)
OCT 11...	5	2	3	400	200	200	0	--	<1	0
JAN 09...	6	4	2	300	260	40	0	--	<1	10
APR 09...	9	7	2	200	170	30	1	0	1	0
JUL 15...	12	1	11	200	0	200	0	--	<1	10

DATE	CHRO-MIUM, SUS-PENDED RECOV. (UG/L AS CR)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR)	COBALT, TOTAL RECOV-ERABLE (UG/L AS CO)	COBALT, SUS-PENDED RECOV-ERABLE (UG/L AS CO)	COBALT, DIS-SOLVED (UG/L AS CO)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	COPPER, SUS-PENDED RECOV-ERABLE (UG/L AS CU)	COPPER, DIS-SOLVED (UG/L AS CU)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	IRON, SUS-PENDED RECOV-ERABLE (UG/L AS FE)
OCT 11...	0	0	1	--	<3	3	2	1	1400	1400
JAN 09...	10	0	3	0	3	3	3	0	8300	8300
APR 09...	0	0	4	--	<3	16	11	5	9300	9300
JUL 15...	10	0	3	0	3	13	5	8	610	610

< Actual value is known to be less than the value shown.

07369500 TENSAS RIVER AT TENDAL, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	IRON, DIS-SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	LEAD, SUS-PENDED RECOV-ERABLE (UG/L AS PB)	LEAD, DIS-SOLVED (UG/L AS PB)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MANGA-NESE, SUS-PENDED RECOV. (UG/L AS MN)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	MERCURY SUS-PENDED RECOV-ERABLE (UG/L AS HG)	MERCURY DIS-SOLVED (UG/L AS HG)
OCT										
11...	10	7	7	0	250	100	150	.0	.0	.0
JAN										
09...	40	6	6	0	140	80	60	.1	.1	.0
APR										
09...	50	8	8	0	150	140	10	.1	--	.2
JUL										
15...	10	6	4	2	180	60	120	.1	.0	.1

DATE	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI)	NICKEL, SUS-PENDED RECOV-ERABLE (UG/L AS NI)	NICKEL, DIS-SOLVED (UG/L AS NI)	SELE-NIUM, TOTAL (UG/L AS SE)	SELE-NIUM, SUS-PENDED TOTAL (UG/L AS SE)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)	ZINC, SUS-PENDED RECOV-ERABLE (UG/L AS ZN)	ZINC, DIS-SOLVED (UG/L AS ZN)
OCT									
11...	4	4	0	0	0	0	--	--	10
JAN									
09...	7	5	2	0	0	0	50	40	7
APR									
09...	40	35	5	0	0	0	80	80	<3
JUL									
15...	5	3	2	0	0	0	30	20	10

DATE	PCB, TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	CHLOR-DANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)	DDE, TOTAL (UG/L)	DDT, TOTAL (UG/L)	DI-AZINON, TOTAL (UG/L)	DI-ELDRIN TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ETHION, TOTAL (UG/L)	HEPTA-CHLOR, TOTAL (UG/L)	HEPTA-CHLOR EPOXIDE TOTAL (UG/L)
NOV												
14...	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
FEB												
13...	ND	ND	ND	ND	--	--	ND	ND	ND	ND	ND	ND

DATE	LINDANE TOTAL (UG/L)	MALA-THION, TOTAL (UG/L)	METH-OXY-CHLOR, TOTAL (UG/L)	METHYL PARA-THION, TOTAL (UG/L)	METHYL TRI-THION, TOTAL (UG/L)	PARA-THION, TOTAL (UG/L)	TOX-APHENE, TOTAL (UG/L)	TOTAL TRI-THION (UG/L)	2,4-D, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
NOV											
14...	ND	ND	ND	ND	ND	ND	ND	ND	.19	.03	ND
FEB											
13...	ND	ND	ND	ND	ND	ND	ND	ND	--	--	--

< Actual value is known to be less than the value shown.

ND Material specifically analyzed for but not detected.

07369500 TENSAS RIVER AT TENDAL, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	PHYTOPLANKTON, TOTAL (CELLS PER ML)	SEDIMENT, SUSPENDED (MG/L)	SEDIMENT DISCHARGE, SUSPENDED (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT				
11...	--	118	4.8	88
NOV				
07...	1800	191	63	98
DEC				
05...	--	101	95	96
JAN				
09...	--	261	169	99
FEB				
13...	--	356	1050	99
MAR				
11...	1300	534	274	97
APR				
09...	--	262	990	97
MAY				
07...	1900	472	752	99
JUN				
04...	960	192	73	95
JUL				
15...	8100	64	4.3	98
AUG				
06...	--	83	14	97
SEP				
04...	--	78	6.1	74

07369500 TENSAS RIVER AT TENDAL, LA--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1			---	211	133	387	69	95	318	411	311	701
2			---	214	171	331	71	106	202	414	325	700
3			---	246	173	256	74	106	257	368	441	696
4			---	131	172	291	72	108	284	442	380	701
5			---	120	201	321	75	137	325	459	420	697
6			---	146	206	322	72	138	382	420	454	695
7			---	170	207	325	---	150	380	500	454	725
8			---	175	224	343	86	160	407	508	476	716
9			---	185	71	342	86	189	433	531	494	708
10			---	197	71	205	99	187	531	537	521	720
11			---	196	72	---	104	214	457	544	545	740
12			---	---	102	213	112	264	484	576	562	738
13			---	---	118	88	110	276	452	589	596	740
14			---	---	103	93	70	283	493	589	646	---
15			---	---	104	147	65	297	496	599	615	730
16			---	---	107	124	95	258	519	598	609	725
17			---	---	134	93	106	100	538	605	624	747
18			111	---	133	65	104	106	---	606	668	754
19			107	---	153	64	100	132	541	620	672	752
20			113	---	166	87	116	128	555	649	614	751
21			117	---	278	90	114	115	560	643	652	746
22			121	---	278	75	122	109	604	619	698	747
23			131	93	314	71	133	86	500	616	685	757
24			131	78	215	73	145	96	412	275	698	742
25			119	98	279	91	150	118	360	284	700	742
26			137	122	343	87	58	127	249	236	700	745
27			160	126	391	71	53	131	293	291	700	742
28			174	123	380	70	60	138	314	265	703	753
29			181	122	384	58	79	132	337	246	704	751
30			196	128	---	67	87	157	340	322	700	736
31			188	138	---	67	---	181	---	312	703	---

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1			---	7.5	4.5	8.0	14.5	19.5	26.0	28.0	28.0	27.0
2			---	9.0	5.0	7.0	15.5	20.0	26.5	28.5	28.0	29.0
3			---	6.5	6.0	8.0	16.0	20.0	26.5	28.5	28.0	29.0
4			---	5.0	5.5	8.5	15.5	20.5	27.0	29.0	29.0	29.0
5			---	6.5	6.0	9.5	---	20.0	27.5	29.0	29.0	29.0
6			---	7.5	6.5	12.0	---	22.0	28.0	29.0	28.0	29.0
7			---	8.0	6.5	14.5	---	22.5	28.0	29.5	29.0	29.0
8			---	5.5	6.0	15.0	16.5	23.0	27.5	29.0	29.0	29.0
9			---	6.5	4.0	17.0	16.5	24.0	28.5	28.5	29.0	29.0
10			---	7.0	5.5	14.5	18.0	24.0	27.0	28.5	29.0	---
11			---	9.0	3.5	---	18.5	25.0	26.0	28.5	28.0	29.0
12			---	---	4.0	16.0	19.0	25.0	26.0	28.5	29.0	29.0
13			---	---	6.0	---	19.5	---	26.5	28.5	29.0	29.0
14			---	---	6.5	16.0	14.0	23.5	25.0	28.5	29.0	---
15			---	---	7.0	15.5	12.0	23.0	25.0	30.0	29.0	29.0
16			---	---	7.0	15.0	15.0	22.0	26.0	30.0	29.0	30.0
17			---	---	6.0	16.0	16.0	21.0	26.5	29.0	28.0	30.0
18			9.5	---	6.5	15.5	16.5	22.0	25.0	30.0	29.0	30.0
19			7.0	---	6.0	14.5	16.5	23.0	25.0	30.0	29.0	30.0
20			---	---	10.0	14.0	17.5	22.5	23.5	30.0	29.0	30.0
21			11.0	---	11.0	14.5	21.0	20.5	---	28.0	29.0	30.0
22			11.5	---	14.0	16.0	21.0	21.0	26.0	26.5	29.0	30.0
23			12.0	9.0	15.0	15.5	21.5	21.0	26.0	27.0	29.0	30.0
24			12.0	9.0	18.5	14.5	22.0	22.0	25.0	27.0	29.0	29.0
25			14.0	9.0	17.0	15.0	20.5	23.0	25.5	27.0	29.0	27.0
26			11.0	9.0	13.5	15.5	16.5	24.0	25.0	27.0	28.0	28.0
27			12.0	9.0	14.5	15.0	17.5	24.0	25.5	27.5	28.0	26.0
28			9.0	9.0	15.0	16.0	17.0	25.0	27.0	28.0	27.0	27.0
29			9.0	7.0	15.5	15.0	17.0	24.5	27.5	28.0	27.0	29.0
30			8.0	7.0	---	15.0	19.0	25.0	28.0	28.0	25.0	29.0
31			8.5	4.5	---	14.0	---	25.5	---	28.0	25.0	---

07369500 TENSAS RIVER AT TENDAL, LA--Continued

PHYTOPLANKTON ANALYSES, OCTOBER 1979 TO JULY 1980

DATE	NOV 7,79		MAR 11,80		MAY 7,80		JUN 4,80		JUL 15,80	
TIME	1030		1500		1230		1030		1530	
TOTAL CELLS/ML	1800		1300		1900		960		8100	
DIVERSITY: DIVISION	1.3		1.1		1.9		1.7		1.4	
.CLASS	1.3		1.1		2.1		1.7		1.4	
..ORDER	1.5		1.8		2.3		2.1		2.0	
...FAMILY	1.5		1.8		2.6		2.2		2.3	
....GENUS	1.7		2.3		3.0		3.0		2.8	
ORGANISM	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT
CHLOROPHYTA (GREEN ALGAE)										
.CHLOROPHYCEAE										
..CHLOROCOCCALES										
...MICRACTINIACEAE										
....GOLENKINIA	--	-	--	-	--	-	--	-	100	1
....MICRACTINIUM	--	-	--	-	--	-	--	-	1300#	16
...OOCYSTACEAE										
....ANKISTRODESMUS	55	3	72	6	72	4	77	8	350	4
....CHODATELLA	--	-	72	6	--	-	--	-	--	-
....KIRCHNERIELLA	--	-	--	-	140	8	--	-	--	-
....SELENASTRUM	--	-	--	-	--	-	26	3	--	-
...SCENEDESMACEAE										
....SCENEDESMUS	--	-	--	-	500#	27	52	5	200	2
..VOLVOCALES										
...CHLAMYDOMONADACEAE										
....CHLAMYDOMONAS	28	2	--	-	--	-	65	7	150	2
....CHLOROGONIUM	--	-	--	-	--	-	--	-	50	1
...VOLVOCACEAE										
....EUDORINA	--	-	--	-	--	-	--	-	810	10
CHRYSOPHYTA										
.BACILLARIOPHYCEAE										
..CENTRALES										
...COSCINODISCACEAE										
....CYCLOTELLA	55	3	140	11	--	-	220#	23	3300#	41
....MELOSIRA	110	6	140	11	140	8	52	5	--	-
....STEPHANODISCUS	--	-	--	-	--	-	--	-	860	11
..PENNALES										
...FRAGILARIACEAE										
....SYNEDRA	28	2	--	-	--	-	--	-	--	-
...NAVICULACEAE										
....NAVICULA	41	2	--	-	--	-	--	-	--	-
...NITZSCHIACEAE										
....NITZSCHIA	14	1	650#	50	290#	15	39	4	250	3
.XANTHOPHYCEAE										
..HETEROCOCCALES										
...CENTRITRACTACEAE										
....CENTRITRACTUS	--	-	--	-	72	4	--	-	--	-
CRYPTOPHYTA (CRYPTOMONADS)										
.CRYPTOPHYCEAE										
..CRYPTOMONADALES										
...CRYPTOMONADACEAE										
....CRYPTOMONAS	14	1	--	-	--	-	--	-	150	2
CYANOPHYTA (BLUE-GREEN ALGAE)										
.CYANOPHYCEAE										
..CHROOCOCCALES										
...CHROOCOCCACEAE										
....ANACYSTIS	--	-	--	-	290#	15	26	3	200	2
..HORMOGONALES										
...OSCILLATORIACEAE										
....OSCILLATORIA	1300#	72	--	-	--	-	--	-	--	-
EUGLENOPHYTA (EUGLENOIDS)										
.EUGLENOPHYCEAE										
..EUGLENALES										
...EUGLENACEAE										
....EUGLENA	69	4	140	11	140	8	250#	26	250	3
....PHACUS	--	-	--	-	72	4	13	1	--	-
....TRACHELOMONAS	83	5	72	6	140	8	140	15	100	1

NOTE: # - DOMINANT ORGANISM; EQUAL TO OR GREATER THAN 15%
* - OBSERVED ORGANISM, MAY NOT HAVE BEEN COUNTED; LESS THAN 1/2%

07369515 TENSAS RIVER SOUTHEAST OF TENDAL, LA

LOCATION.--Lat 32°23'17", long 91°20'05", in NW¼ sec.10, T.16 N., R.11 E., Madison Parish, Hydrologic Unit 08050003, on right bank 1.6 mi (2.6 km) upstream from mouth of Judd Bayou, 3.5 mi (5.6 km) southeast of Tendal, and 8.5 mi (13.7 km) downstream from gaging station Tensas River at Tendal (station 07369500).

DRAINAGE AREA.--Not determined.

PERIOD OF RECORD.--October 1975 to current year (gage heights only). Unpublished records November 1951 to September 1975 available in files of the Baton Rouge district office.

GAGE.--Water-stage recorder. Datum of gage is 50.07 ft (15.261 m) National Geodetic Vertical Datum of 1929. Prior to Nov. 9, 1962, nonrecording gage at same site and prior to September 30, 1957, at datum 0.31 ft lower.

REMARKS.--Small diversions above station for irrigation.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 20.66 ft (6.297 m) Jan. 23, 1979, from floodmark; minimum, not determined.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage since 1951, 21.83 ft (6.654 m) June 12, 1975.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, not determined; minimum, 4.26 ft (1.298 m) Oct. 19, 20.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.52	9.18	---	---	10.30	5.05	---	---	7.71	4.77	---	4.68
2	4.47	9.97	---	---	9.46	5.66	---	---	7.08	4.66	---	4.68
3	4.41	9.20	---	---	8.59	5.82	---	---	6.60	4.59	---	4.68
4	4.38	8.17	---	---	7.89	5.66	---	---	6.21	4.56	---	4.68
5	4.35	7.31	---	---	7.33	5.58	---	---	5.87	4.54	---	4.68
6	4.34	6.68	---	---	7.11	5.55	---	---	5.57	4.53	---	4.68
7	4.32	6.06	---	---	7.02	5.45	---	---	5.30	4.52	---	4.68
8	4.30	5.62	---	---	6.77	5.85	---	---	5.06	4.52	---	4.68
9	4.30	5.57	---	---	11.04	6.42	---	---	4.90	4.51	---	4.68
10	4.30	6.19	---	---	14.50	6.45	---	---	4.80	4.54	---	4.68
11	4.29	6.61	---	---	15.02	6.32	---	---	4.75	4.53	---	4.66
12	4.31	---	---	---	14.52	6.70	---	---	4.70	---	---	4.68
13	4.28	---	---	---	13.77	9.47	---	6.49	4.64	---	---	4.68
14	4.28	---	---	---	12.81	10.46	---	6.21	4.63	---	---	4.66
15	4.27	---	---	---	11.81	9.82	---	6.02	4.61	---	4.52	4.68
16	4.27	---	---	5.19	10.75	9.02	---	8.32	4.59	---	4.50	4.68
17	4.27	---	---	5.09	9.68	10.56	---	12.42	4.56	---	4.47	4.68
18	4.27	---	---	5.04	8.74	13.96	---	13.25	4.55	---	4.47	4.54
19	4.26	---	---	4.98	8.01	14.99	---	12.93	4.54	---	4.49	4.48
20	4.27	---	---	4.93	7.44	15.59	---	12.76	4.59	---	4.56	4.53
21	4.27	---	---	5.08	6.95	16.22	---	12.92	4.74	---	4.57	4.52
22	4.33	---	---	8.39	6.55	16.47	---	15.13	4.84	---	4.53	4.48
23	4.35	---	---	14.37	6.20	16.41	---	16.14	4.80	---	4.52	4.45
24	4.34	---	---	15.48	5.86	16.30	---	15.91	4.75	---	4.49	4.43
25	4.34	---	---	15.13	5.56	16.03	---	15.19	5.02	---	4.49	4.45
26	4.35	---	---	14.34	5.34	15.49	---	14.33	5.79	---	---	4.46
27	4.30	---	---	13.49	5.12	15.17	---	13.32	5.82	---	---	4.52
28	4.31	---	---	12.49	4.97	---	---	12.17	5.57	---	---	4.55
29	4.35	---	---	11.51	4.88	---	---	10.93	5.27	---	4.53	4.59
30	4.40	---	---	10.77	---	---	---	9.68	4.98	---	4.60	4.57
31	5.76	---	---	10.47	---	---	---	8.57	---	---	4.66	---
MEAN	4.37	---	---	---	8.76	---	---	---	5.23	---	---	4.61
MAX	5.76	---	---	15.48	15.02	---	---	16.14	7.71	---	---	4.68
MIN	4.26	---	---	4.93	4.88	5.05	---	6.02	4.54	---	4.47	4.43

07369647 LAKE ST. JOSEPH NEAR NEWELLTON, LA

LOCATION.--Lat 31°03'20", long 91°13'35", in lot 3, T.12 N., R.12 E., Tensas Parish, Hydrologic Unit 08050003, near left bank on upstream side of Clark Bayou bridge on State Highway 605, 1.5 mi (2.4 km) southeast of Newellton.

DRAINAGE AREA.--23.2 mi² (60.1 km²).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--December 1977 to current year (elevations only). Unpublished records from February 1959 to September 1961 available in files of Baton Rouge district office.

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929.

REMARKS.--Reservoir is formed from an oxbow lake by two control structures on Clark Bayou. Control structure No. 1 has a 70-ft (21.3-m) long weir with a crest of 63.0 ft (19.2 m) and two timber lift gates with widths of 10-ft (3.0-m) each with a low sill at invert elevation of 56.0 ft (17.1 m). Control structure No. 2 on upper Clark Bayou has a drop inlet weir length of 53-ft (16.2-m) with crest elevation of 65.0 ft (19.8 m) and an 8-ft (2.4-m) wide timber lift gate with invert elevation of 58.5 ft (17.8 m). Pool stage of 65.0 ft (19.8 m) is controlled by structure No. 2 because control structure No. 1, located upstream, is submerged. Reservoir is used for irrigation and recreation.

EXTREMES FOR PERIOD OF RECORD.--**Maximum** elevation, 68.60 ft (20.909 m) Jan. 21, 1979; minimum, 64.22 ft (19.574 m) Nov. 7, 17, 1978.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of 1960 reached an elevation of 66.71 ft (20.333 m) Mar. 4, 5, 6, 1960; minimum, 63.56 ft (19.373 m) Aug. 10, 1960.

EXTREMES FOR CURRENT YEAR.--**Maximum** elevation, 68.09 ft (20.754 m) Apr. 13; minimum, 64.64 ft (19.702 m) Sept. 28.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
INSTANTANEOUS OBSERVATIONS AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	65.86	65.60	65.77	65.65	65.78	65.77	67.51	66.20	66.39	65.92	65.57	64.98
2	65.83	65.58	65.65	65.54	65.71	65.78	67.37	66.08	66.32	65.89	65.55	64.95
3	65.83	65.57	65.52	65.51	65.59	65.86	67.53	66.07	66.26	65.87	65.53	64.93
4	65.78	65.56	65.41	65.61	65.49	65.87	67.33	66.06	66.22	65.84	65.52	64.93
5	65.77	65.56	65.30	65.65	65.45	65.87	67.19	66.04	66.18	65.80	65.49	64.91
6	65.75	65.54	65.20	65.70	65.43	65.88	67.02	66.03	66.14	65.77	65.47	64.87
7	65.74	65.52	65.11	65.67	65.47	65.88	66.87	66.03	66.10	65.74	65.45	64.87
8	65.72	65.54	65.00	65.66	65.50	65.85	66.59	66.06	66.05	65.87	65.43	64.85
9	65.71	65.53	64.99	65.67	65.95	65.84	66.58	66.06	66.08	65.86	65.40	64.84
10	65.67	65.60	65.00	65.68	66.31	65.84	66.49	66.08	66.03	65.85	65.38	64.83
11	65.66	65.58	65.01	65.99	66.37	65.88	66.40	66.01	66.00	65.82	65.36	64.80
12	65.65	65.57	65.05	66.08	66.33	65.84	67.64	66.03	65.99	65.79	65.34	64.79
13	65.61	65.55	65.58	66.09	66.27	65.79	68.05	65.97	65.95	65.77	65.32	64.78
14	65.62	65.56	65.84	66.09	66.20	65.93	68.06	65.98	65.91	65.75	65.31	64.75
15	65.59	65.55	65.92	66.10	66.13	65.91	67.93	65.99	65.89	65.72	65.28	64.74
16	65.58	65.55	65.98	66.10	66.00	65.90	67.76	66.33	65.85	65.69	65.25	64.72
17	65.58	65.54	65.99	66.08	65.97	66.30	67.58	66.47	65.81	65.68	65.24	64.70
18	65.56	65.54	66.01	66.08	65.91	66.37	67.45	66.52	65.80	65.66	65.22	64.79
19	65.55	65.54	66.00	66.07	65.92	66.34	67.30	66.58	65.87	65.62	65.20	64.77
20	65.56	65.52	66.01	66.06	65.88	66.48	67.13	66.55	66.16	65.60	65.18	64.76
21	65.53	65.57	66.02	66.06	65.89	66.50	66.95	66.52	66.15	65.60	65.16	64.75
22	65.51	65.53	66.08	66.16	65.89	66.47	66.77	66.98	66.14	65.57	65.14	64.73
23	65.52	65.82	66.10	66.69	65.89	66.32	66.60	67.03	66.16	65.72	65.10	64.71
24	65.51	66.02	66.27	66.65	65.87	66.18	66.53	66.98	66.12	65.72	65.08	64.69
25	65.50	66.27	66.32	66.52	65.84	66.11	66.49	66.89	66.11	65.70	65.07	64.68
26	65.49	66.33	66.33	66.39	65.86	66.03	66.50	66.81	66.08	65.68	65.06	64.73
27	65.48	66.29	66.24	66.23	65.84	65.95	66.39	66.73	66.05	65.65	65.06	64.70
28	65.48	66.14	66.11	66.13	65.84	66.70	66.37	66.65	66.03	65.65	65.03	64.68
29	65.55	66.02	65.98	66.01	65.81	66.89	66.28	66.58	65.97	65.64	65.04	64.86
30	65.56	65.89	65.89	65.96	---	67.57	66.22	66.52	65.95	65.62	65.01	64.91
31	65.62	---	65.77	65.85	---	67.57	---	66.45	---	65.60	65.00	---
MEAN	65.62	65.70	65.72	65.99	65.88	66.18	67.03	66.36	66.06	65.73	65.27	64.80
MAX	65.86	66.33	66.33	66.69	66.37	67.57	68.06	67.03	66.39	65.92	65.57	64.98
MIN	65.48	65.52	64.99	65.51	65.43	65.77	66.22	65.97	65.80	65.57	65.00	64.68

07369647 LAKE ST. JOSEPH NEAR NEWELLTON, LA--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1978 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE, WATER (DEG C)	COLOR (PLATINUM COBALT UNITS)	TURBIDITY (JTU)	OXYGEN, DISSOLVED (MG/L)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	CALCIUM DISSOLVED (MG/L AS CA)
JUN												
04...	1345	133	8.3	30.5	20	25	9.7	<20	<20	54	0	15
JUL												
16...	1130	163	8.3	33.5	20	8	9.1	K65	720	75	6	21

DATE	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM ADSORPTION RATIO	POTASSIUM, DISSOLVED (MG/L AS K)	BICARBONATE (MG/L AS HCO3)	CARBONATE (MG/L AS CO3)	ALKALINITY (MG/L AS CACO3)	CARBON DIOXIDE DISSOLVED (MG/L AS CO2)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	FLUORIDE, DISSOLVED (MG/L AS F)
JUN												
04...	4.1	2.1	7	.1	3.9	66	0	54	.5	2.0	2.0	.1
JUL												
16...	5.4	2.8	7	.1	4.6	84	0	69	.7	10	2.2	.3

DATE	SILICA, DISSOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L)	SOLIDS, DISSOLVED (TONS PER AC-FT)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS NO3)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS TOTAL (MG/L AS PO4)
JUN										
04...	3.6	77	66	.10	.01	1.6	1.6	7.1	.160	.49
JUL										
16...	11	96	98	.13	.00	2.4	2.4	11	.370	1.1

DATE	ARSENIC DISSOLVED (UG/L AS AS)	ARSENIC TOTAL IN BOTTOM MATERIAL (UG/G AS AS)	CADMIUM DISSOLVED (UG/L AS CD)	CADMIUM RECOV. FM BOTTOM MATERIAL (UG/G AS CD)	CHROMIUM, RECOV. FM BOTTOM MATERIAL (UG/G)	CHROMIUM, HEXAVALENT, DIS. (UG/L AS CR)	COPPER, DISSOLVED (UG/L AS CU)	COPPER, RECOV. FM BOTTOM MATERIAL (UG/G AS CU)	IRON, DISSOLVED (UG/L AS FE)	IRON, RECOV. FM BOTTOM MATERIAL (UG/G AS FE)	LEAD, DISSOLVED (UG/L AS PB)	LEAD, RECOV. FM BOTTOM MATERIAL (UG/G AS PB)
JUN												
04...	6	19	<1	1	7	0	3	30	30	15000	0	20

DATE	MANGANESE, DISSOLVED (UG/L AS MN)	MANGANESE, RECOV. FM BOTTOM MATERIAL (UG/G)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	MERCURY RECOV. FM BOTTOM MATERIAL (UG/G AS HG)	ZINC, DISSOLVED (UG/L AS ZN)	ZINC, RECOV. FM BOTTOM MATERIAL (UG/G AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	PCB, TOTAL (UG/L)	PCB, TOTAL IN BOTTOM MATERIAL (UG/KG)	NAPHTHALENES, POLYCHLOR. TOTAL (UG/L)
JUN												
04...	30	680	.1	.03	3	60	13	.00	4	.1	0	.00

< Actual value is known to be less than the value shown.

K Results based on colony count outside the acceptable range (non-ideal count).

07369647 LAKE ST. JOSEPH NEAR NEWELLTON, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	PCN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	CHLORDANE, TOTAL (UG/L)	CHLORDANE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDE, TOTAL (UG/L)	DDE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIAZINON, TOTAL (UG/L)
JUN 04...	.0	.00	.0	.0	0	.00	22	.00	26	.00	2.9	.00

DATE	DIAZINON, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIELDRIN TOTAL (UG/L)	DIELDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDOSULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ENDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ETHION, TOTAL (UG/L)	ETHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR, TOTAL (UG/L)	HEPTACHLOR, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR EPOXIDE TOTAL (UG/L)	HEPTACHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)
JUN 04...	.0	.00	.1	.00	.00	.0	.00	.0	.00	.0	.00	.0

DATE	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOTTOM MATERIAL (UG/KG)	MALATHION, TOTAL (UG/L)	MALATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	METHOXYCHLOR, TOTAL (UG/L)	METHOXYCHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARATHION, TOTAL (UG/L)	METHYL PARATHION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRITHION, TOTAL (UG/L)	METHYL TRITHION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, TOTAL (UG/L)	MIREX, TOTAL IN BOTTOM MATERIAL (UG/KG)
JUN 04...	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0

DATE	PARATHION, TOTAL (UG/L)	PARATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	PERTHANE TOTAL (UG/L)	TOXAPHENE, TOTAL (UG/L)	TOXAPHENE, TOTAL IN BOTTOM MATERIAL (UG/KG)	TOTAL TRITHION (UG/L)	TRITHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	2,4-D, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)	PHYTOPLANKTON, TOTAL (CELLS PER ML)
JUN 04...	.00	.0	.00	0	0	.00	.0	.13	.00	.00	230000
JUL 16...	--	--	--	--	--	--	--	--	--	--	1500000

07369647 LAKE ST. JOSEPH NEAR NEWELLTON, LA--Continued

PHYTOPLANKTON ANALYSES, OCTOBER 1979 TO JULY 1980

DATE	JUN 4,80	JUL 16,80
TIME	1345	1130
TOTAL CELLS/ML	230000	1500000
DIVERSITY: DIVISION	0.9	0.1
.CLASS	0.9	0.1
..ORDER	1.1	0.3
...FAMILY	1.2	0.9
....GENUS	2.2	1.3

ORGANISM	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT
CHLOROPHYTA (GREEN ALGAE)				
.CHLOROPHYCEAE				
..CHLOROCOCCALES				
...CHARACIACEAE				
....SCHROEDERIA	*	0	--	-
...OOCYSTACEAE				
....ANKISTRODESMUS	*	0	*	0
....CHODATELLA	--	-	*	0
....DICTYOSPHAERIUM	7500	3	--	-
....SELENASTRUM	*	0	--	-
....TETRAEDRON	*	0	--	-
...SCENEDESMACEAE				
....ACTINASTRUM	--	-	7500	1
....SCENEDESMUS	6600	3	*	0
....TETRASTRUM	1200	1	--	-
..VOLVOCALES				
...CHLAMYDOMONADACEAE				
....CHLOROGONIUM	--	-	*	0
CHRYSOPHYTA				
.BACILLARIOPHYCEAE				
..CENTRALES				
...COSCINODISCACEAE				
....CYCLOTELLA	6000	3	*	0
....MELOSIRA	14000	6	--	-
..PENNALES				
...NAVICULACEAE				
....NAVICULA	*	0	--	-
...NITZSCHIACEAE				
....NITZSCHIA	3300	1	*	0
CYANOPHYTA (BLUE-GREEN ALGAE)				
.CYANOPHYCEAE				
..CHROOCOCCALES				
...CHROOCOCCACEAE				
....AGMENELLUM	76000#	34	7500	1
....ANACYSTIS	100000#	45	34000	2
....COCCOCHLORIS	1200	1	--	-
....DACTYLOCOCCOPSIS	--	-	7500	1
..HORMOGONALES				
...NOSTOCACEAE				
....ANABAENA	6000	3	--	-
....ANABAENOPSIS	--	-	*	0
...OSCILLATORIACEAE				
....LYNGBYA	--	-	94000	6
....OSCILLATORIA	--	-	1100000#	75
...RIVULARIACEAE				
....RAPHIDIOPSIS	--	-	200000	13
EUGLENOPHYTA (EUGLENOIDS)				
.EUGLENOPHYCEAE				
..EUGLENALES				
...EUGLENACEAE				
....TRACHELOMONAS	1200	1	--	-

NOTE: # - DOMINANT ORGANISM; EQUAL TO OR GREATER THAN 15%
* - OBSERVED ORGANISM, MAY NOT HAVE BEEN COUNTED; LESS THAN 1/2%

07369648 LAKE BRUIN AT LAKE BRUIN STATE PARK, NEAR ST. JOSEPH, LA

LOCATION.--Lat 31°57'40", long 91°12'10", in NW¼SW¼ sec.26, T.12 N., R.12 E., Tensas Parish, Hydrologic Unit 08050003, at State Park fishing pier, 3.5 mi (5.6 km) northeast of St. Joseph.

DRAINAGE AREA.--21.4 mi² (55.4 km²).

PERIOD OF RECORD.--February 1959 to September 1964, November 1977 to current year (elevation only).

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929.

REMARKS.--Reservoir is formed from an oxbow lake by Routh ditch control structure at U.S. Highway 65. The 60.7-ft (18.5-m) long weir has a crest elevation of 61.0 ft (18.6 m) which can be raised to 63.0 ft (19.2 m) by stoplogs. There are two 6-ft (1.8-m) wide metal lift gates with an invert elevation of 56.2 ft (17.1 m). Area of lake is 3,000 acres (12.1 km²) at an elevation of 63.0 ft (19.2 m). Reservoir is used for recreation and public supply.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 65.06 ft (19.830 m) Apr. 14, 1980; minimum, 57.28 ft (17.459 m) Jan. 2, 3, 4, 1964.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 65.06 ft (19.830 m) Apr. 14; minimum, 60.05 ft (18.303 m) Sept. 28.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1979 TO SEPTE BER 1980
INSTANTANEOUS OBSERVATIONS AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	62.22	61.91	62.61	62.20	62.34	61.73	63.91	63.23	62.36	62.41	61.35	60.59
2	62.21	61.88	62.59	62.15	62.27	61.64	63.89	63.12	62.26	62.40	61.33	60.57
3	62.19	61.85	62.57	62.10	62.22	61.60	64.29	63.03	62.26	62.29	61.29	60.55
4	62.18	61.84	62.54	62.12	62.18	61.56	64.28	62.92	62.18	62.19	61.27	60.50
5	62.14	61.81	62.52	62.06	62.13	61.60	64.21	62.81	62.10	62.09	61.24	60.49
6	62.11	61.79	62.51	61.98	62.08	61.59	64.13	62.71	62.07	62.01	61.22	60.47
7	62.10	61.76	62.48	61.92	62.02	61.58	64.07	62.62	62.06	61.94	61.21	60.45
8	62.08	61.74	62.45	61.85	61.93	61.58	63.99	62.52	62.05	61.97	61.19	60.42
9	62.06	61.74	62.40	61.79	62.38	61.58	63.91	62.43	62.08	61.90	61.17	60.41
10	62.05	61.80	62.34	61.73	62.72	61.55	63.79	62.33	62.05	61.85	61.14	60.40
11	62.01	61.78	62.28	62.05	62.73	61.54	63.68	62.25	62.03	61.79	61.11	60.37
12	61.99	61.75	62.26	62.18	62.69	61.52	64.48	62.18	62.01	61.73	61.09	60.34
13	61.98	61.72	62.85	62.15	62.64	61.64	64.91	62.12	61.98	61.69	61.06	60.32
14	61.94	61.70	63.12	62.10	62.59	61.60	65.05	62.09	61.96	61.64	61.04	60.30
15	61.92	61.68	63.08	62.04	62.57	61.56	65.00	62.05	61.94	61.60	61.01	60.29
16	61.90	61.67	63.01	61.99	62.51	61.55	64.90	62.43	61.91	61.56	60.99	60.26
17	61.89	61.66	62.90	61.92	62.46	61.95	64.80	62.78	61.89	61.51	60.97	60.23
18	61.88	61.64	62.77	61.86	62.39	62.06	64.73	62.88	61.86	61.49	60.94	60.26
19	61.87	61.63	62.68	61.79	62.33	62.02	64.64	62.92	61.95	61.44	60.91	60.24
20	61.86	61.63	62.58	61.74	62.24	62.17	64.54	63.04	62.43	61.43	60.88	60.22
21	61.86	61.62	62.48	61.67	62.16	62.36	64.43	63.07	62.44	61.40	60.86	60.20
22	61.85	61.65	62.41	61.69	62.10	62.33	64.31	63.45	62.37	61.38	60.84	60.18
23	61.87	61.93	62.39	62.31	62.02	62.28	64.19	63.42	62.35	61.52	60.80	60.16
24	61.84	62.15	62.57	62.45	61.93	62.25	64.05	63.30	62.32	61.54	60.77	60.15
25	61.82	62.35	62.56	62.50	61.85	62.22	63.91	63.18	62.42	61.50	60.74	60.12
26	61.80	62.53	62.49	62.53	61.77	62.19	63.85	63.06	62.42	61.47	60.72	60.16
27	61.78	62.60	62.43	62.53	61.73	62.20	63.73	62.93	62.44	61.45	60.71	60.12
28	61.77	62.67	62.39	62.50	61.69	62.97	63.58	62.81	62.43	61.45	60.67	60.07
29	61.87	62.65	62.34	62.46	61.68	63.14	63.46	62.70	62.42	61.43	60.64	60.24
30	61.87	62.63	62.31	62.42	---	63.82	63.33	62.58	62.42	61.41	60.62	60.30
31	61.95	---	62.26	62.41	---	63.92	---	62.47	---	61.38	60.61	---
MEAN	61.96	61.93	62.55	62.10	62.22	62.04	64.20	62.76	62.18	61.71	60.98	60.31
MAX	62.22	62.67	63.12	62.53	62.73	63.92	65.05	63.45	62.44	62.41	61.35	60.59
MIN	61.77	61.62	62.26	61.67	61.68	61.52	63.33	62.05	61.86	61.38	60.61	60.07

07369700 BAYOU MACON NEAR KILBOURNE, LA

LOCATION.--Lat 32°59'35", long 91°15'45", in SW¼SE¼ sec.8, T.23 N., R.12 E., East Carroll-West Carroll Parish line, Hydrologic Unit 08050002, near center of channel on downstream side of bridge on State Highway 585, 0.8 mi (1.3 km) south of Arkansas-Louisiana State line, and 3.0 mi (4.8 km) east of Kilbourne.

DRAINAGE AREA.--504 mi² or 1,305 km² (see REMARKS).

PERIOD OF RECORD.--October 1957 to September 1968. October 1968 to September 1973 (annual maximum gage height and discharge below 200 ft³/s or 5.66 m³/s only). October 1973 to current year (daily gage heights and daily discharges below 200 ft³/s or 5.66 m³/s only).

GAGE.--Water-stage recorder. Datum of gage is 75.41 ft (22.985 m) National Geodetic Vertical Datum of 1929 (Corps of Engineers bench mark). Prior to Oct. 1, 1965, at datum 2.00 ft (0.610 m) higher.

REMARKS.--Records fair. Large diversions above station for irrigation. Interconnecting system of bayous and drainage ditches produces an interchange of flow under varying conditions; hence, the drainage limits were more or less arbitrarily determined.

AVERAGE DISCHARGE.--11 years (water years 1958-68), 508 ft³/s (14.39 m³/s), 368,000 acre-ft/yr (454 hm³/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 26.73 ft (8.147 m) Mar. 17, 1973; no flow June 11, 1963, result of pumping for irrigation.
Maximum discharge, 4,740 ft³/s (134 m³/s) May 5, 1958.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 22.56 ft (6.876 m) Apr. 14; minimum daily discharge, 54 ft³/s (1.53 m³/s) July 19.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---			---					---	181	---	81
2	---			---					---	156	---	80
3	---			---					---	141	180	74
4	---			---					---	123	150	76
5	---			---					---	114	137	70
6	---			---					---	110	139	65
7	---			---					---	100	144	70
8	---			---					---	110	137	71
9	---			---					---	117	122	68
10	---			---					---	116	116	68
11	---			---					---	110	116	78
12	193			---					---	100	118	75
13	181			---					---	100	116	71
14	171			---					---	110	111	70
15	161			---					---	105	108	66
16	154			---					---	109	107	64
17	150			---					---	101	106	68
18	150			137					---	92	104	70
19	156			125					---	54	104	68
20	151			161					---	83	97	66
21	148			---					---	---	100	80
22	149			---					---	---	102	76
23	147			---					---	---	89	70
24	146			---					---	---	82	66
25	144			---					---	---	81	65
26	136			---					---	---	81	64
27	127			---					---	---	81	65
28	128			---					---	---	88	71
29	132			---					---	---	92	96
30	131			---					189	---	91	132
31	---			---					---	---	85	---
TOTAL	---			---					---	---	---	2204
MEAN	---			---					---	---	---	73.5
MAX	---			---					---	---	---	132
MIN	127			125					189	54	81	64

07369700 BAYOU MACON NEAR KILBOURNE, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.01	4.16	13.95	6.98	7.90	---	18.45	9.80	8.00	2.99	---	1.95
2	4.66	4.09	13.27	6.54	7.71	---	17.65	9.39	7.76	2.74	---	1.94
3	4.35	3.92	12.63	6.50	7.06	---	16.76	9.02	7.49	2.59	---	1.87
4	4.10	3.82	12.01	6.87	6.27	---	15.79	8.71	7.28	2.39	---	1.89
5	3.93	3.70	11.42	6.31	7.02	---	14.86	8.46	7.01	2.29	2.58	1.82
6	3.73	3.59	10.86	5.84	8.36	---	13.97	8.19	6.72	---	2.60	1.76
7	3.59	3.46	10.27	5.53	8.38	---	13.06	8.16	6.41	---	2.65	1.83
8	3.49	3.38	9.58	5.28	8.99	---	11.95	8.16	6.10	---	2.57	1.83
9	3.40	5.04	8.79	4.98	14.81	---	10.84	7.80	5.82	2.32	2.41	1.79
10	3.32	11.17	7.95	4.76	15.44	---	9.84	7.43	5.50	2.31	2.34	1.80
11	3.17	10.95	7.22	5.36	14.66	---	9.16	7.09	5.22	---	2.34	1.92
12	3.02	9.85	7.50	7.01	14.19	---	13.64	6.80	4.94	---	2.36	1.88
13	2.91	8.90	11.58	6.47	13.60	10.28	19.15	6.52	4.63	---	2.34	1.83
14	2.80	8.09	10.05	5.85	12.81	9.14	22.37	6.36	4.44	---	2.29	---
15	2.70	7.36	8.29	5.25	11.84	8.76	20.84	8.73	4.28	---	2.25	---
16	2.63	6.73	7.68	4.41	10.89	11.36	18.94	18.52	4.04	2.23	2.24	---
17	2.59	6.19	7.36	3.18	9.94	19.06	17.48	19.69	3.88	2.15	2.23	---
18	2.59	5.70	6.88	2.45	9.02	19.81	16.23	17.36	3.67	2.05	2.21	---
19	2.65	5.25	6.39	2.32	8.48	18.31	15.09	15.92	3.52	1.58	2.21	---
20	2.61	4.86	6.01	2.70	8.23	19.22	13.95	14.98	3.77	1.95	2.14	---
21	2.57	4.54	5.74	5.29	8.13	21.99	12.66	13.94	3.85	8.50	2.17	---
22	2.58	7.17	5.54	10.26	8.02	21.10	11.50	14.07	3.90	13.89	2.18	---
23	2.56	14.75	5.44	13.31	7.91	19.90	10.66	13.96	3.75	10.94	2.04	---
24	2.55	15.97	8.26	10.28	7.82	19.46	9.96	12.59	4.36	6.07	1.96	---
25	2.53	15.66	8.97	8.22	7.69	18.24	10.45	11.55	4.46	---	1.96	---
26	2.45	15.93	8.83	8.78	7.56	16.96	15.41	11.56	3.46	---	1.96	1.75
27	2.35	15.72	8.91	8.90	7.45	16.00	14.17	10.08	3.35	---	1.96	1.75
28	2.35	15.53	8.70	8.32	7.33	17.96	12.57	9.20	3.24	---	2.04	1.83
29	2.40	15.16	8.29	7.60	7.22	17.67	11.27	8.63	3.21	---	2.07	2.12
30	2.39	14.61	7.83	7.22	---	20.89	10.32	8.35	3.07	---	2.06	2.52
31	3.35	---	7.41	8.18	---	19.60	---	8.15	---	---	1.99	---
MEAN	3.08	8.51	8.83	6.48	9.47	---	14.30	10.62	4.90	---	---	---
MAX	5.01	15.97	13.95	13.31	15.44	21.99	22.37	19.69	8.00	13.89	---	2.52
MIN	2.35	3.38	5.44	2.32	6.27	---	9.16	6.36	3.07	1.58	1.96	---

07370000 BAYOU MACON NEAR DELHI, LA

LOCATION.--Lat 32°27'25", long 91°28'30", in E½ sec.18, T.17 N., R.10 E., Madison-Richland Parish line, Hydrologic Unit 08050002, near right bank on downstream side of bridge on U.S. Highway 80, 0.2 mi (0.3 km) upstream from Illinois Central Railroad bridge, and 1.0 mi (1.6 km) east of Delhi.

DRAINAGE AREA.--782 mi^2 (2,030 km^2).

PERIOD OF RECORD.--October 1935 to current year. Monthly discharge only for some periods, published in WSP 1311. Daily gage heights as follows: 1885-99 in reports of National Weather Service; September 1925 to December 1931 in files of Corps of Engineers, Vicksburg district; since January 1932 in reports of Corps of Engineers, Vicksburg district.

REVISED RECORDS.--WDR LA-77-1: 1976.

GAGE.--Water-stage recorder. Datum of gage is 50.05 ft (15.255 m) National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to Mar. 14, 1949, nonrecording gage; Mar. 14, 1949, to Oct. 1, 1963, water-stage recorder; all gages within 2,000 ft (610 m) downstream at same datum. Auxiliary water-stage recorder 7.7 mi (12.4 km) downstream from base gage at datum 46.05 ft (14.036 m) National Geodetic Vertical Datum of 1929. Prior to Mar. 9, 1972, auxiliary gages at different sites and datum. See WDR LA-76-1 for history of changes prior to Mar. 9, 1972.

REMARKS.--Records good. Large diversions above station for irrigation. Interconnecting system of bayous and drainage ditches produces an interchange of flow under varying conditions; hence, the drainage limits were more or less arbitrarily determined. Records of dissolved oxygen and water temperatures for the water year 1980 are published under miscellaneous water-quality sites in this report.

AVERAGE DISCHARGE.--45 years, 995 ft^3/s (28.18 m^3/s), 721,100 acre-ft/yr (890 hm^3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 9,480 ft^3/s (268 m^3/s) Jan. 21, 1979; maximum gage height, 26.00 ft (7.925 m) May 6, 7, 1958; no flow May 25, 26, 28, June 1, 1963, result of temporary dam.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of March 1882 reached a stage of 37.5 ft (11.4 m), present site and datum, from records of National Weather Service (affected by overflow from Mississippi River).

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 8,490 ft^3/s (240 m^3/s) Mar. 30; maximum gage height, 22.38 ft (6.821 m) Mar. 30; minimum discharge, 74 ft^3/s (2.10 m^3/s) Aug. 26, gage height, 7.44 ft (2.268 m).

DISCHARGE, IN CUBIC FFET PER SECOND, WATER YEAR OCTOHER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	608	1290	2280	1070	1430	1100	6960	1860	1090	186	182	110
2	536	715	2090	980	1220	1080	5770	1470	1060	169	171	102
3	474	480	1970	1110	1120	950	4670	1760	1020	165	160	94
4	434	390	1870	1670	1020	885	3880	1450	967	172	151	94
5	394	357	1760	1380	875	845	3270	1260	905	168	151	98
6	374	343	1680	1080	1020	759	2930	1180	849	153	150	105
7	355	318	1590	906	1180	848	2660	1150	766	151	143	102
8	332	305	1500	756	1280	1230	2450	1240	701	140	147	103
9	334	383	1420	666	3340	1070	2180	1230	634	124	148	105
10	310	1280	1320	590	4610	905	1620	1110	590	117	133	106
11	293	1750	1220	560	4040	870	1420	1030	529	122	119	106
12	289	1670	1780	700	3400	1600	1650	939	490	123	122	100
13	285	1480	4820	900	3000	2740	3530	861	444	114	121	105
14	256	1270	4640	800	2660	2310	5970	803	394	119	114	101
15	244	1070	3560	734	2020	1610	6430	852	364	131	111	94
16	240	919	2640	638	1720	1820	5870	2320	346	133	109	97
17	234	791	1750	527	1530	4000	4840	4600	304	136	114	107
18	227	690	1280	417	1390	5000	4000	4680	286	136	111	104
19	221	612	1160	305	1280	6500	3410	4140	311	129	97	101
20	223	543	1060	257	1210	6000	3010	3760	398	112	90	129
21	226	486	972	298	1160	6500	2700	3230	450	347	89	162
22	259	868	898	1610	1130	7930	2370	3900	500	2940	86	158
23	239	3380	849	3980	1080	7000	1720	4300	600	4490	85	145
24	220	4720	1560	3930	941	6000	1490	3580	650	4370	86	140
25	212	4430	1780	3180	900	5560	1920	2990	550	3170	83	163
26	205	4020	1490	2370	1050	4620	5010	2560	500	1700	79	177
27	199	3620	1330	1510	1000	4030	5970	2140	380	867	80	170
28	207	3270	1280	1390	983	6120	5220	1490	296	447	84	162
29	251	3040	1240	1290	978	6980	4070	1290	251	310	87	167
30	225	2690	1200	1230	---	8290	2890	1200	221	248	91	176
31	1130	---	1140	1560	---	7950	---	1140	---	209	103	---
TOTAL	10036	47180	55129	38394	48567	113102	109880	65515	16846	21898	3597	3683
MEAN	324	1573	1778	1239	1675	3648	3663	2113	562	706	116	123
MAX	1130	4720	4820	3980	4610	8290	6960	4680	1090	4490	182	177
MIN	199	305	849	257	875	759	1420	803	221	112	79	94
AC-FT	19910	93580	109300	76150	96330	224300	217900	129900	33410	43430	7130	7310

CAL YR 1979 TOTAL 680405 MEAN 1864 MAX 9320 MIN 199 AC-FT 1350000
WTR YR 1980 TOTAL 533827 MEAN 1459 MAX 8290 MIN 79 AC-FT 1059000

07370000 BAYOU MACON NEAR DELHI, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.25	10.00	11.26	9.49	10.08	9.54	21.52	10.68	9.52	8.12	8.11	7.74
2	9.14	9.38	10.98	9.38	9.73	9.50	20.43	10.14	9.48	8.05	8.05	7.68
3	9.05	9.06	10.82	9.59	9.57	9.35	19.09	10.54	9.42	8.03	8.00	7.63
4	8.98	8.91	10.69	10.43	9.43	9.29	17.70	10.11	9.37	8.06	7.95	7.63
5	8.92	8.84	10.55	10.00	9.28	9.25	16.32	9.81	9.31	8.04	7.96	7.65
6	8.88	8.82	10.44	9.52	9.44	9.17	44.93	9.68	9.25	7.96	7.95	7.70
7	8.84	8.77	10.31	9.31	9.66	9.27	13.60	9.62	9.18	7.95	7.91	7.68
8	8.79	8.74	10.19	9.17	9.82	9.75	12.33	9.76	9.11	7.90	7.93	7.69
9	8.80	8.87	10.06	9.07	12.77	9.50	11.11	9.74	9.03	7.82	7.94	7.70
10	8.75	10.01	9.90	8.97	15.56	9.31	10.36	9.56	8.97	7.78	7.87	7.71
11	8.72	10.54	9.74	8.93	15.47	9.27	10.06	9.44	8.88	7.81	7.79	7.71
12	8.71	10.44	10.54	---	14.30	10.29	10.39	9.34	8.82	7.81	7.81	7.67
13	8.70	10.21	14.87	---	13.00	11.91	13.04	9.26	8.75	7.76	7.80	7.70
14	8.64	9.98	16.26	---	11.80	11.31	17.69	9.21	8.66	7.79	7.76	7.68
15	8.62	9.79	14.89	9.14	10.90	10.34	18.98	9.26	8.61	7.85	7.74	7.62
16	8.61	9.63	12.57	9.04	10.49	10.63	18.80	11.32	8.57	7.87	7.73	7.65
17	8.60	9.48	10.52	8.88	10.23	16.04	17.84	14.57	8.48	7.88	7.76	7.72
18	8.58	9.36	9.83	8.70	10.02	19.85	16.62	15.78	8.44	7.88	7.74	7.69
19	8.57	9.25	9.63	8.48	9.83	20.02	15.35	15.42	8.50	7.85	7.64	7.67
20	8.57	9.15	9.48	8.36	9.72	19.70	14.02	14.71	8.67	7.75	7.60	7.84
21	8.58	9.07	9.37	8.46	9.63	20.63	12.70	13.93	---	8.19	7.59	8.01
22	8.65	9.53	9.30	10.34	9.58	20.71	11.39	16.13	---	12.20	7.56	7.99
23	8.61	12.83	9.25	14.11	9.50	20.08	10.50	16.77	---	14.41	7.55	7.92
24	8.56	15.60	10.25	14.99	9.34	19.47	10.17	15.77	---	14.52	7.56	7.90
25	8.54	16.03	10.57	13.51	---	18.74	10.76	14.13	---	12.73	7.52	8.02
26	8.53	15.70	10.17	11.39	---	17.52	15.14	12.43	---	10.45	7.49	8.08
27	8.51	14.77	9.92	10.20	9.41	16.41	16.47	11.06	---	9.28	7.52	8.05
28	8.53	13.69	9.83	10.01	9.38	19.27	15.45	10.17	8.46	8.75	7.54	8.01
29	8.63	12.69	9.77	9.85	9.38	20.56	13.81	9.85	8.34	8.50	7.57	8.03
30	8.57	11.84	9.70	9.74	---	22.17	12.13	9.70	8.24	8.33	7.61	8.08
31	9.80	---	9.61	10.27	---	22.20	---	9.60	---	8.20	7.69	---
MEAN	8.75	10.70	10.69	---	---	14.55	14.62	11.53	---	8.82	7.75	7.80
MAX	9.80	16.03	16.26	14.99	15.56	22.20	21.52	16.77	9.52	14.52	8.11	8.08
MIN	8.51	8.74	9.25	8.36	9.28	9.17	10.06	9.21	8.24	7.75	7.49	7.62

07371500 DUGDEMONA RIVER NEAR JONESBORO, LA

LOCATION.--Lat 32°12'25", long 92°48'05", in SW¼ sec.8, T.14 N., R.4 W., Bienville-Jackson Parish line, Hydrologic Unit 08040303, on left bank just upstream from bridge on State Highway 4, 200 ft (61 m) downstream from Brush Creek, 1.5 mi (2.4 km) downstream from McDonald Creek, and 5.4 mi (8.7 km) west of Jackson Parish courthouse in Jonesboro.

DRAINAGE AREA.--355 mi^2 (919 km^2).

PERIOD OF RECORD.--October 1938 to September 1957, October 1977 to current year. November 1957 to September 1977 (annual maximum, daily gage heights, and miscellaneous discharge measurements only).

REVISED RECORDS.--WRD LA-1971: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 116.53 ft (35.518 m) National Geodetic Vertical Datum of 1929. Prior to Nov. 29, 1938, nonrecording gage at same site and datum.

REMARKS.--Records good. Water used by paper mill at Hodge is pumped from wells and discharged into stream about 7 mi (11 km) above station. Most of effluent is discharged continually whenever mill is operating, but some waste water is stored in a reservoir and released whenever river flow is sufficient to materially dilute it. Records of dissolved oxygen and water temperatures for the water year 1980 are published under miscellaneous water-quality sites in this report.

AVERAGE DISCHARGE.--22 years (water years 1939-57, 1978-80), 427 ft^3/s (12.09 m^3/s), 309,400 acre-ft/yr (381 hm^3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 30,600 ft^3/s (867 m^3/s) Jan. 1, 1945, gage height, 19.87 ft (6.056 m); minimum gage height, 2.67 ft (0.814 m) Sept. 26, 1955. Minimum discharge observed, 0.4 ft^3/s (0.11 m^3/s) Aug. 31, 1954 (discharge measurement), but may have been less in September 1954.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 3,000 ft^3/s (85 m^3/s) and maximum (*):

Date	Time	Discharge (ft^3/s)	Discharge (m^3/s)	Gage height (ft)	Gage height (m)
Mar. 22	0730	4690	133	14.17	4.319
Mar. 31	0545	3640	103	13.53	4.124
Apr. 15	0315	*7080	201	*15.19	4.630
May 18	1545	4000	113	13.77	4.197

Minimum discharge, 9.0 ft^3/s (0.25 m^3/s) July 11, gage height, 3.02 ft (0.920 m), regulated.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	29	64	87	163	619	163	3160	622	87	35	26	16
2	28	67	74	152	664	316	2380	391	75	28	23	15
3	26	87	67	149	641	400	1760	301	65	24	19	16
4	25	62	63	195	536	451	1300	259	59	22	16	17
5	24	41	60	210	421	402	960	268	52	20	14	16
6	24	34	59	204	369	314	740	249	47	15	14	16
7	24	28	59	184	365	258	560	183	45	12	15	17
8	23	22	55	159	401	228	468	142	40	11	15	17
9	23	21	52	141	659	203	368	120	37	10	15	19
10	22	33	50	125	1370	183	292	110	34	9.4	15	17
11	20	39	49	160	1920	170	231	102	31	9.2	15	16
12	19	52	89	258	2230	159	524	91	30	10	15	16
13	24	57	506	324	2080	188	2020	83	29	12	15	16
14	27	47	823	354	1570	277	5600	80	29	13	15	17
15	23	39	788	283	1080	367	6620	84	28	13	14	17
16	21	35	694	195	745	345	4110	627	26	13	14	16
17	22	36	599	161	564	457	2450	2440	25	12	14	16
18	24	30	402	140	446	809	1600	3750	26	12	15	16
19	25	28	232	133	365	1100	1120	3450	26	11	15	16
20	22	27	160	122	313	1760	810	2410	37	11	15	17
21	19	27	134	115	285	3690	595	1030	45	13	14	18
22	27	64	124	291	259	4490	438	1100	43	14	15	18
23	37	195	122	966	229	3580	327	780	57	14	14	17
24	33	343	232	1570	200	2660	247	646	68	15	13	17
25	29	395	429	1560	174	1980	225	642	69	16	13	16
26	39	397	485	1580	153	1440	510	534	66	15	13	19
27	33	314	506	1290	137	1170	835	335	52	14	13	22
28	28	200	443	860	127	1450	1010	212	40	16	13	21
29	26	145	296	594	122	1950	1140	154	33	22	17	18
30	25	110	207	494	---	2910	945	122	33	19	20	20
31	38	---	170	530	---	3610	---	102	---	16	18	---
TOTAL	809	3039	8122	13662	19044	37480	43345	22019	1334	478.6	482	515
MEAN	26.1	101	262	441	657	1209	1445	710	44.5	15.4	15.5	17.2
MAX	39	397	823	1580	2230	4490	6620	3750	87	35	26	22
MIN	19	21	49	115	122	159	225	80	25	9.2	13	15
AC-FT	1600	6030	16110	27100	37770	74340	85970	43670	2650	949	956	1020

CAL YR 1979 TOTAL 228424.0 MEAN 626 MAX 11900 MIN 10 AC-FT 453100
WTR YR 1980 TOTAL 150329.6 MEAN 411 MAX 6620 MIN 9.2 AC-FT 298200

07371500 DUGDEMONA RIVER NEAR JONESBORO, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.89	4.96	5.52	6.99	10.11	6.94	13.20	10.13	5.52	4.00	3.77	3.48
2	3.87	5.03	5.24	6.80	10.28	8.52	12.66	9.04	5.24	3.78	3.68	3.48
3	3.82	5.51	5.06	6.75	10.20	9.08	12.11	8.44	5.01	3.66	3.55	3.52
4	3.77	4.93	4.95	7.45	9.76	9.36	11.58	8.12	4.83	3.57	3.45	3.52
5	3.75	4.40	4.88	7.64	9.20	9.09	11.02	8.19	4.64	3.50	3.36	3.50
6	3.73	4.17	4.86	7.58	8.90	8.53	---	8.02	4.50	3.32	3.37	3.48
7	3.73	3.97	4.85	7.31	8.87	8.11	---	7.29	4.46	3.17	3.40	3.51
8	3.70	3.78	4.75	6.92	9.09	7.84	9.44	6.61	4.30	3.13	3.42	3.54
9	3.70	3.72	4.68	6.60	10.19	7.55	8.89	6.17	4.17	3.09	3.43	3.60
10	3.69	4.14	4.63	6.28	11.65	7.31	8.37	5.97	4.07	3.04	3.43	3.54
11	3.62	4.35	4.60	6.90	12.27	7.10	7.87	5.82	3.96	3.03	3.42	3.50
12	3.59	4.68	5.44	8.10	12.53	6.92	9.72	5.61	3.91	3.08	3.42	3.48
13	3.75	4.80	9.58	8.59	12.41	7.36	12.36	5.44	3.89	3.19	3.40	3.49
14	3.64	4.54	10.72	8.80	11.90	8.24	14.60	5.36	3.88	3.25	---	3.52
15	3.71	4.32	10.64	8.29	11.24	8.68	15.01	5.46	3.82	3.25	---	3.52
16	3.65	4.20	10.38	7.45	10.52	8.73	13.84	9.57	3.78	3.23	---	3.51
17	3.68	4.25	10.03	6.95	9.89	9.36	12.72	12.68	3.74	3.20	---	3.49
18	3.74	4.02	9.07	6.58	9.33	10.66	11.95	13.60	3.76	3.21	---	3.46
19	3.77	3.97	7.84	6.44	8.87	11.28	11.32	13.40	3.75	3.15	---	3.48
20	3.67	3.93	6.93	6.23	8.52	12.07	10.70	12.67	4.12	3.15	3.42	3.53
21	3.57	3.94	6.47	6.08	8.31	13.56	10.02	11.96	4.41	3.26	3.41	3.55
22	3.83	4.92	6.26	7.90	8.11	14.06	9.29	11.27	4.34	3.30	3.42	3.54
23	4.18	7.38	6.21	10.96	7.84	13.49	8.61	10.61	4.76	3.32	3.41	3.54
24	4.05	8.72	7.70	11.91	7.52	12.86	8.02	10.22	5.07	3.34	3.36	3.50
25	3.92	9.06	9.24	11.91	7.17	12.31	7.81	10.21	5.10	3.37	3.33	3.49
26	4.26	9.08	9.53	11.93	6.81	11.75	9.65	9.75	5.02	3.38	3.35	3.60
27	4.06	8.51	9.63	11.56	6.51	11.40	10.75	8.66	4.59	3.32	3.35	3.69
28	3.88	7.51	9.31	10.79	6.32	11.77	11.12	7.64	4.20	3.46	3.36	3.66
29	3.80	6.67	8.39	10.01	6.22	12.29	11.35	6.83	3.93	3.64	3.53	3.57
30	3.77	5.99	7.61	9.57	---	13.03	10.99	6.22	3.94	3.53	3.64	3.64
31	4.21	---	7.19	9.75	---	13.50	---	5.82	---	3.44	3.58	---
MEAN	3.81	5.32	7.17	8.29	9.33	10.10	---	8.61	4.36	3.33	---	3.53
MAX	4.26	9.08	10.72	11.93	12.53	14.06	15.01	13.60	5.52	4.00	3.77	3.69
MIN	3.57	3.72	4.60	6.08	6.22	6.92	7.81	5.36	3.74	3.03	3.33	3.46

07371540 FOUSE BAYOU AT STATE HIGHWAY 155, NEAR DANVILLE, LA

LOCATION.--Lat 32°13'50", long 92°55'11", in NW¼ sec.6 T.14 N., R.5 W., Bienville Parish, Hydrologic Unit 08040303, near left bank on upstream side of culvert on State Highway 155, 0.4 mi (0.6 km) southwest of intersection with State Highway 4, and 5.0 mi (8.0 km) west of Danville.

DRAINAGE AREA.--Approximately 1.5 mi (3.9 km^2).

PERIOD OF RECORD.--June 1977 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 190 ft (58 m). Auxiliary water-stage recorder 60 ft (18 m) downstream from base gage at same datum.

REMARKS.--Records poor. Records of dissolved oxygen and water temperatures for the water year 1980 are published under miscellaneous water-quality sites in this report.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 306 ft^3/s (8.67 m^3/s) May 7, 1978, gage height, 8.36 ft (2.548 m); no flow on many days.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 265 ft^3/s (7.50 m^3/s) May 16, gage height, 7.99 ft (2.435 m); no flow on many days.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	.05	.15	.10	.35	1.1	1.2	.15	.00	.10	0	0
2	.00	.05	.15	.10	.30	.93	.81	1.7	.00	.05	0	0
3	.00	.05	.15	.35	.28	.42	.81	2.6	.00	.05	0	0
4	.00	.05	.10	.62	.24	.29	.50	.81	.02	.05	0	0
5	.00	.05	.10	.35	.47	.24	.24	.36	.02	.05	0	0
6	.00	.05	.10	.24	1.1	.24	.50	.15	.02	.05	0	0
7	.00	.05	.10	.18	.62	.24	1.5	.15	.02	.05	0	0
8	.00	.05	.12	.15	3.6	.24	.81	.15	.02	.05	0	0
9	.00	.10	.15	.15	21	.24	.24	.15	.02	.05	0	0
10	.00	.10	.15	.12	2.1	.18	.15	.15	.02	.05	0	0
11	.00	.10	.15	.24	1.0	.15	.65	.15	.02	.04	0	0
12	.00	.10	2.8	.27	.72	.15	27	.15	.02	.02	0	0
13	.00	.10	3.2	.24	.57	.15	82	.15	.02	.02	0	0
14	.00	.10	1.5	.18	.52	.10	11	.15	.02	.02	0	0
15	.00	.10	1.2	.15	.48	.10	2.8	2.8	.02	.02	0	0
16	.00	.10	1.2	.15	.43	.81	1.2	92	.02	.02	0	0
17	.01	.10	.62	.15	.43	2.1	.65	21	.05	.02	0	0
18	.00	.10	.12	.15	.39	1.5	.65	2.4	.05	.02	0	0
19	.00	.15	.12	.12	.35	.78	.50	2.3	.06	.02	0	0
20	.00	.15	.12	.15	.35	47	.24	6.2	.05	.00	0	0
21	.00	.15	.12	.27	.31	13	.15	.98	.05	.00	0	0
22	.03	.15	.27	.22	.24	2.3	.15	.55	.07	.00	0	0
23	.01	.24	.48	4.1	.24	1.5	.15	.21	.23	.00	0	0
24	.00	.24	1.4	.90	.24	4.8	.10	.07	.10	.00	0	0
25	.00	.24	.52	.62	.24	1.6	4.8	.03	.10	.00	0	0
26	.00	.24	.24	.52	.17	.88	8.1	.02	.10	.00	0	0
27	.00	.18	.15	.48	.15	7.4	1.7	.01	.10	.02	0	0
28	.00	.15	.10	.35	.15	20	.65	.00	.10	.02	0	0
29	.00	.15	.10	.52	.10	15	.24	.00	.10	.00	0	0
30	.24	.15	.10	.60	---	9.5	.15	.00	.10	.00	0	0
31	.31	---	.10	.45	---	2.6	---	.00	---	.00	0	---
TOTAL	.60	3.59	15.88	13.19	37.14	135.54	149.64	135.54	1.52	.79	0	0
MEAN	.019	.12	.51	.43	1.28	4.37	4.99	4.37	.051	.025	.000	.000
MAX	.31	.24	3.2	4.1	21	47	82	92	.23	.10	.00	.00
MIN	.00	.05	.10	.10	.10	.10	.10	.00	.00	.00	.00	.00
AC-FT	1.2	7.1	31	26	74	269	297	269	3.0	1.6	.00	.00

CAL YR 1979 TOTAL 775.56 MEAN 2.12 MAX 67 MIN .00 AC-FT 1540
WTR YR 1980 TOTAL 493.43 MEAN 1.35 MAX 92 MIN .00 AC-FT 979

07371540 FOUSE BAYOU AT STATE HIGHWAY 155, NEAR DANVILLE, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.59	4.58	4.60	---	---	4.68	4.69	4.62	4.57	4.58	4.56	4.40
2	4.59	4.58	4.60	---	---	4.67	4.67	4.72	4.57	4.58	4.56	4.40
3	4.59	4.58	4.60	---	---	4.63	4.67	4.76	4.57	4.58	4.56	4.40
4	4.59	4.58	4.59	---	4.61	4.62	4.65	4.67	4.57	4.58	4.55	4.40
5	4.59	4.58	4.59	---	4.63	4.62	4.63	4.64	4.57	4.58	4.54	4.40
6	4.59	4.58	4.59	---	4.66	4.62	4.65	4.62	4.57	4.58	4.54	4.40
7	4.59	4.58	4.59	---	4.64	4.62	4.71	4.62	4.57	4.58	4.53	4.40
8	4.59	4.58	4.59	---	4.75	4.62	4.67	4.62	4.57	4.58	4.51	4.40
9	4.59	4.59	4.60	---	5.28	4.62	4.63	4.62	4.57	4.58	4.50	4.40
10	4.58	4.59	4.60	---	---	4.61	4.62	4.62	4.57	4.58	4.49	4.40
11	4.58	4.59	4.60	---	---	4.61	4.66	4.62	4.57	4.58	4.48	4.40
12	4.58	4.59	4.74	---	---	4.61	5.41	4.62	4.57	4.57	4.48	4.40
13	4.58	4.59	4.77	---	---	4.61	6.19	4.62	4.57	4.57	4.52	4.40
14	4.58	4.59	4.69	---	---	4.61	5.03	4.62	4.57	4.57	4.53	4.40
15	4.58	4.59	4.67	---	---	4.61	4.77	4.73	4.57	4.57	4.51	4.40
16	4.58	4.59	4.67	---	---	4.67	4.69	6.16	4.57	4.57	4.48	4.40
17	4.59	4.59	4.63	---	---	4.74	4.66	5.25	4.57	4.57	4.46	4.40
18	4.58	4.59	---	---	---	4.71	4.66	4.75	4.57	4.57	4.45	4.40
19	4.58	4.60	---	---	---	4.67	4.65	4.73	4.57	4.57	4.45	4.40
20	4.58	4.60	---	---	---	5.51	4.63	4.88	4.57	4.56	4.44	4.39
21	4.58	4.60	---	---	4.62	5.06	4.62	4.68	4.57	4.51	4.43	4.39
22	4.59	4.60	---	---	4.61	4.75	4.62	4.65	4.57	4.56	4.42	4.39
23	---	4.61	---	---	4.61	4.71	4.62	4.61	4.59	4.56	4.41	4.39
24	---	4.61	---	---	4.61	4.85	4.61	4.59	4.58	4.56	4.41	4.39
25	---	4.56	---	---	4.61	4.71	4.85	4.58	4.58	4.56	4.41	4.39
26	---	4.61	---	---	4.60	4.67	4.96	4.58	4.58	4.56	4.41	4.39
27	---	4.60	---	---	4.60	4.85	4.72	4.58	4.58	4.57	4.41	4.39
28	---	4.60	---	---	4.60	5.27	4.66	4.57	4.58	4.58	4.40	4.39
29	---	4.60	---	---	4.60	5.15	4.63	4.57	4.58	4.56	4.40	4.39
30	4.60	4.60	---	---	---	5.00	4.62	4.57	4.58	4.56	4.40	4.39
31	4.61	---	---	---	---	4.76	---	4.57	---	4.56	4.40	---
MEAN	---	4.59	---	---	---	4.76	4.76	4.71	4.57	4.57	4.47	4.40
MAX	---	4.61	---	---	5.28	5.51	6.19	6.16	4.59	4.58	4.56	4.40
MIN	---	4.56	---	---	---	4.61	4.61	4.57	4.57	4.51	4.40	4.39

07372000 DUGDEMONA RIVER NEAR WINNFIELD, LA

LOCATION.--Lat 31°58'30", long 92°39'10", on line between secs.34 and 35, T.12 N., R.3 W., Winn Parish, Hydrologic Unit 08040303, on right bank just downstream from bridge on U.S. Highway 167, 300 ft (91 m) upstream from Chicago, Rock Island and Pacific Railroad Co. bridge, 2.4 mi (3.9 km) downstream from Kyiaies Creek, and 3.5 mi (5.6 km) north of Winnfield.

DRAINAGE AREA.--654 mi^2 (1,694 km^2).

PERIOD OF RECORD.--April 1939 to September 1977. October 1977 to current year (annual maximum and gage heights only).

REVISED RECORDS.--WSP 1341: Drainage area. WSP 1391: 1939-41.

GAGE.--Water-stage recorder. Datum of gage is 81.14 ft (24.731 m) National Geodetic Vertical Datum of 1929. Prior to Dec. 19, 1950, nonrecording gage at same site and datum.

REMARKS.--Water used by paper mill at Hodge is pumped from wells and discharged into stream about 30 mi (48 km) above station. Most of effluent is discharged continually whenever mill is operating, but some waste water is stored in a reservoir and released whenever river flow is sufficient to materially dilute it.

AVERAGE DISCHARGE.--38 years (water years 1940-77), 714 ft^3/s (20.22 m^3/s), 517,300 acre-ft/yr (638 hm^3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 27,100 ft^3/s (767 m^3/s) May 19, 1953, gage height, 23.78 ft (7.248 m); no flow at times in 1947, 1954, 1956-57, result of temporary regulation.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 8,450 ft^3/s (239 m^3/s) Apr. 17, gage height, 18.44 ft (5.621 m); minimum gage height, 1.76 ft (0.536 m) July 17.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
INSTANTANEOUS OBSERVATIONS AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.73	2.77	---	---	13.38	6.21	---	12.42	5.92	2.78	2.03	2.06
2	2.56	2.79	---	---	12.96	7.57	---	12.06	4.93	2.55	2.11	2.09
3	2.45	2.82	---	---	12.33	7.96	---	12.14	4.40	2.42	2.12	2.23
4	2.42	3.29	---	---	11.58	8.56	16.72	12.08	4.04	2.42	2.11	2.27
5	2.40	3.39	---	---	10.90	8.63	16.11	11.52	3.74	2.39	2.18	2.30
6	2.37	3.52	---	---	10.51	8.53	15.42	10.57	3.51	2.30	2.19	2.33
7	2.37	3.33	---	---	10.28	8.57	14.69	9.31	3.31	2.21	2.13	2.37
8	2.32	3.00	---	---	10.04	8.63	13.94	7.99	3.13	2.13	2.09	2.39
9	2.30	2.78	---	---	11.51	8.46	13.12	7.21	2.98	2.09	2.05	2.40
10	2.32	2.68	---	---	13.32	---	12.23	6.46	2.91	2.01	2.02	2.42
11	2.31	2.58	---	---	13.97	---	11.23	5.64	2.81	1.93	2.01	2.45
12	2.32	2.51	---	5.93	14.15	---	13.59	5.04	2.71	1.87	2.01	2.47
13	2.32	2.49	---	6.01	14.27	---	15.56	4.73	2.63	1.82	2.02	2.51
14	2.31	2.73	---	6.58	14.22	---	16.58	4.55	2.55	1.80	2.03	2.53
15	2.30	2.92	---	6.96	14.23	---	17.37	4.39	2.47	1.79	2.04	2.54
16	2.28	3.05	---	7.16	14.34	---	18.06	10.33	2.43	1.79	2.03	2.54
17	2.34	2.99	---	7.34	14.33	---	18.42	13.10	2.40	1.78	2.03	2.53
18	2.41	2.87	---	7.36	14.02	---	17.82	14.14	2.38	1.81	2.03	2.55
19	2.40	2.78	---	6.97	13.45	---	16.89	14.74	2.36	1.83	2.03	2.47
20	2.37	2.76	---	6.26	12.67	---	15.96	16.03	2.40	1.87	2.02	2.39
21	2.36	2.73	---	5.84	11.73	---	15.13	16.89	2.40	1.89	2.01	2.52
22	2.48	3.16	---	5.99	10.69	---	14.27	16.68	2.44	1.96	2.00	2.52
23	2.53	4.75	---	11.40	9.54	---	13.39	16.04	2.72	1.95	2.00	2.55
24	2.63	---	---	12.27	8.47	---	12.42	15.28	3.05	1.93	2.36	2.57
25	2.62	---	---	12.39	7.71	---	11.31	14.44	3.06	1.91	2.14	2.67
26	2.69	---	---	12.74	7.17	---	14.27	13.51	3.31	1.93	2.05	2.72
27	2.69	---	---	12.88	6.69	---	15.28	12.44	3.51	1.95	2.03	2.67
28	2.63	---	---	12.90	6.26	---	14.87	11.33	3.46	2.03	2.03	2.64
29	2.64	---	---	13.03	5.85	---	14.15	10.31	3.33	2.03	2.03	2.65
30	2.69	---	---	13.30	---	---	13.29	9.24	3.06	2.04	2.07	2.69
31	2.85	---	---	13.47	---	---	---	7.70	---	2.01	2.05	---
MEAN	2.46	---	---	---	11.40	---	---	10.91	3.15	2.04	2.07	2.47
MAX	2.85	---	---	13.47	14.34	---	18.42	16.89	5.92	2.78	2.36	2.72
MIN	2.28	2.49	---	5.84	5.85	---	11.23	4.39	2.36	1.78	2.00	2.06

07372190 LITTLE RIVER AT ROCHELLE, LA

LOCATION.--Lat 31°47'35", long 92°21'42", in NE¼ sec.4, T.9 N., R.1 E., Grant-La Salle Parish line, Hydrologic Unit 08040304, near center of channel on downstream side of bridge on U.S. Highway 165, at Rochelle, 5.0 mi (8.0 km) upstream from gaging station Little River near Rochelle (station 07372200).

DRAINAGE AREA.--1,892 mi² (4,900 km²).

PERIOD OF RECORD.--October 1973 to current year (gage heights only). Gage heights October 1938 to November 1946, February 1948 to September 1957 in files of Corps of Engineers. Unpublished records from October 1957 to September 1973 available in files of the Baton Rouge District office.

GAGE.--Water-stage recorder. Datum of gage is 24.79 ft (7.556 m) National Geodetic Vertical Datum of 1929. Prior to May 9, 1960, nonrecording gage 0.1 mi (0.2 km) upstream at same datum.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 43.43 ft (13.237 m) Apr. 14, 1974; minimum, 6.64 ft (2.024 m) Sept. 25, 26, 27, 1980.

EXTREMES OUTSIDE PERIOD OF RECORD.-- Maximum stage since 1938, 50.90 ft (15.514 m) May 19, 1953, from floodmarks.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 39.37 ft (12.000 m) Apr. 1; minimum, 6.64 ft (2.024 m) Sept. 25, 26, 27.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11.70	13.28	26.10	19.16	29.51	13.53	39.19	34.85	21.33	10.80	7.65	6.72
2	10.45	11.99	23.62	18.27	28.61	14.18	38.51	34.20	18.10	10.20	7.43	6.69
3	9.54	11.36	20.47	17.50	27.46	16.00	37.65	33.45	16.10	9.59	7.28	6.68
4	8.94	11.16	17.39	17.40	26.13	16.81	36.92	32.37	15.02	9.08	7.26	6.68
5	8.55	10.79	15.11	17.57	24.72	16.84	36.33	30.94	14.15	8.68	7.38	6.66
6	8.30	10.42	13.64	17.72	23.26	16.87	35.78	28.92	13.42	8.39	7.31	6.67
7	8.13	10.19	12.63	17.77	21.88	16.90	35.21	26.88	12.75	8.18	7.22	6.72
8	8.00	9.97	11.84	17.77	20.86	16.91	34.52	24.95	12.15	8.27	7.16	6.87
9	7.91	9.74	11.21	17.58	26.28	16.96	33.63	22.90	11.70	7.96	7.13	6.92
10	7.81	9.50	10.78	17.14	30.34	16.87	32.42	21.18	11.13	7.79	7.09	6.87
11	7.72	9.22	10.51	16.90	31.90	16.53	30.85	19.89	10.58	7.66	7.05	6.80
12	7.64	8.95	12.00	16.74	32.95	16.03	30.78	19.00	10.11	7.56	6.99	6.77
13	7.58	8.68	25.45	16.21	33.60	15.60	32.61	18.27	9.78	7.47	6.96	6.76
14	7.53	8.45	29.43	15.48	33.80	15.27	34.97	17.53	9.63	7.38	6.91	6.73
15	7.49	8.26	31.44	14.81	33.53	14.89	36.64	16.90	9.54	7.31	6.87	6.71
16	7.46	8.18	33.18	14.39	32.92	14.78	37.45	23.84	9.46	7.24	6.84	6.70
17	7.43	8.28	33.97	14.14	32.09	18.91	37.44	30.15	9.40	7.18	6.82	6.69
18	7.41	8.57	33.76	13.97	31.12	22.53	37.03	32.82	9.34	7.13	6.80	6.69
19	7.38	8.66	32.93	13.86	29.96	24.36	36.57	34.95	9.33	7.09	6.80	6.70
20	7.37	8.54	31.64	13.71	28.42	27.14	36.11	35.60	9.43	7.04	6.79	6.69
21	7.37	8.36	29.98	13.49	26.50	31.12	35.55	35.53	9.40	7.04	6.77	6.68
22	7.59	13.41	27.87	17.00	24.45	33.88	34.85	35.54	9.64	7.02	6.76	6.66
23	8.01	24.51	25.04	27.61	22.40	35.17	33.94	35.92	15.23	7.27	6.74	6.65
24	8.18	28.34	24.41	30.13	20.37	35.37	32.68	36.05	19.23	8.08	6.72	6.65
25	7.92	29.71	25.70	31.56	18.31	35.25	31.38	35.57	21.46	7.76	6.71	6.64
26	7.74	30.49	25.78	32.44	16.44	35.08	32.16	34.90	20.63	7.46	6.70	6.64
27	7.75	30.80	25.28	32.73	15.13	35.07	33.18	33.98	17.92	7.36	6.69	6.65
28	7.74	30.53	24.41	32.50	14.30	35.80	34.64	32.65	14.83	8.40	6.78	6.71
29	7.73	29.58	23.12	31.88	13.73	36.50	35.52	30.70	12.49	9.74	6.82	7.01
30	7.78	28.06	21.64	31.02	---	37.71	35.40	28.14	11.40	8.72	6.77	7.04
31	10.20	---	20.26	30.24	---	39.01	---	24.98	---	8.02	6.73	---
MEAN	8.14	14.93	22.92	20.60	25.90	23.80	35.00	29.15	13.16	8.03	6.97	6.74
MAX	11.70	30.80	33.97	32.73	33.80	39.01	39.19	36.05	21.46	10.80	7.65	7.04
MIN	7.37	8.18	10.51	13.49	13.73	13.53	30.78	16.90	9.33	7.02	6.69	6.64

07372200 LITTLE RIVER NEAR ROCHELLE, LA

LOCATION.--Lat 31°45'15", long 92°20'40", in SW¼SW¼ sec.14, T.9 N., R.1 E., Grant-La Salle Parish line, Hydrologic Unit 08040304, near right bank on downstream side of pier of bridge on State Highway 500, 700 ft (213 m) upstream from Louisiana Midland Railway Co. bridge, 1.1 mi (1.8 km) northeast of Zenoria, and 3.0 mi (4.8 km) southeast of Rochelle.

DRAINAGE AREA.--1,899 mi^2 (4,918 km^2).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1957 to current year.

REVISED RECORDS.--WRD LA-1973: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 24.79 ft (7.556 m) National Geodetic Vertical Datum of 1929. Water-stage recorder for station Little River at Rochelle (station 07372190) used as auxiliary gage for this station since May 9, 1960. Prior to May 9, 1960, auxiliary nonrecording gage 5.1 mi (8.2 km) upstream from base gage at same datum.

REMARKS.--Water-discharge records good. Natural flow is supplemented by effluent from operation of several oilfields upstream from station.

AVERAGE DISCHARGE.--23 years, 2,081 ft^3/s (58.93 m^3/s), 14.88 in/yr (378 mm/yr), 1,508,000 acre-ft/yr (1.86 km^3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 54,800 ft^3/s (1,550 m^3/s) Apr. 14, 1974, gage height, 40.20 ft (12.253 m); minimum discharge, 9.6 ft^3/s (0.272 m^3/s) Sept. 26, 27, 1980, gage height, 4.87 ft (1.484 m).

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 29,800 ft^3/s (844 m^3/s) Apr. 1, gage height, 36.87 ft (11.238 m); minimum, 9.6 ft^3/s (0.272 m^3/s) Sept. 26, 27, gage height, 4.87 ft (1.484 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	446	673	3710	1820	5010	698	28600	11100	1650	302	75	15
2	322	489	2950	1620	4650	824	24000	9500	882	250	58	14
3	233	429	2120	1460	4200	1160	18800	7970	491	208	48	13
4	178	405	1420	1440	3710	1320	15200	6470	399	177	42	13
5	141	364	973	1470	3240	1320	12900	5520	300	154	44	12
6	117	321	724	1500	2870	1330	11200	4060	262	137	44	13
7	101	294	580	1500	2490	1340	9890	2960	229	120	40	13
8	90	270	482	1500	2230	1340	8690	2310	219	123	37	15
9	82	248	408	1470	3830	1350	7570	1600	215	100	34	19
10	74	225	361	1380	5330	1330	6430	1110	194	86	32	20
11	68	199	332	1330	6170	1260	5230	657	184	75	30	18
12	63	173	565	1300	6880	1160	5330	485	183	66	28	16
13	58	148	3620	1200	7360	1080	6640	428	166	59	26	15
14	54	126	5010	1060	7560	1020	8890	356	148	53	24	14
15	52	110	5970	937	7360	945	12800	243	131	48	22	14
16	50	101	6870	865	6870	922	17000	2850	117	43	21	13
17	48	104	7500	820	6280	1690	17400	5450	106	39	19	13
18	46	123	7480	793	5700	2610	15600	7030	91	38	19	12
19	45	136	6880	775	5130	3160	13700	10100	77	40	18	12
20	43	130	5980	751	4460	4130	12100	12800	77	34	17	13
21	43	116	5130	717	3750	5840	10700	12800	79	35	17	13
22	57	789	4220	1480	3110	7340	9220	12800	122	38	16	12
23	79	3290	3240	4320	2600	8910	7920	13600	959	36	15	11
24	97	4530	3130	5320	2080	9740	6640	14100	1830	74	15	10
25	85	5160	3530	6020	1610	9670	5590	13000	2300	76	14	10
26	71	5520	3580	6510	1210	9420	6270	11200	2160	60	14	9.9
27	67	5660	3420	6690	973	9430	7090	9030	1500	51	14	9.7
28	66	5520	3200	6540	826	11000	8420	6680	844	85	14	10
29	65	5100	2840	6170	728	13000	12200	5260	483	231	17	17
30	68	4460	2430	5700	---	18300	12400	3640	367	161	17	23
31	294	---	2080	5340	---	26800	---	2450	---	104	16	---
TOTAL	3303	45213	100735	79798	118217	159439	344420	197559	16765	3103	847	412.6
MEAN	107	1507	3250	2574	4076	5143	11480	6373	559	100	27.3	13.8
MAX	446	5660	7500	6690	7560	26800	28600	14100	2300	302	75	23
MIN	43	101	332	717	728	698	5230	243	77	34	14	9.7
AC-FT	6550	89680	199800	158300	234500	316200	683200	391900	33250	6150	1680	818

CAL YR 1979 TOTAL 1621758.0 MEAN 3895 MAX 28900 MIN 23 AC-FT 2820000
WTR YR 1980 TOTAL 1069811.6 MEAN 2923 MAX 28600 MIN 9.7 AC-FT 2122000

07372200 LITTLE RIVER NEAR ROCHELLE, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10.27	11.62	23.44	16.97	26.70	12.05	36.79	31.73	20.49	10.08	6.23	5.02
2	9.12	10.60	21.24	16.14	25.85	12.36	36.20	31.12	17.66	9.52	5.95	5.00
3	8.22	9.68	18.51	15.43	24.76	13.76	35.30	30.63	15.87	8.91	5.75	4.97
4	7.55	9.35	15.73	15.27	23.50	14.68	34.34	29.78	14.81	8.35	5.62	4.96
5	7.07	9.03	13.55	15.43	22.18	14.78	33.50	28.67	13.99	7.86	5.65	4.95
6	6.74	8.65	12.10	15.49	20.85	14.80	32.75	27.28	13.26	7.44	5.66	4.96
7	6.51	8.39	11.10	15.51	19.58	14.85	32.05	25.66	12.59	7.09	5.59	4.97
8	6.36	8.18	10.32	15.48	18.60	14.89	31.34	23.96	11.96	6.95	5.52	5.03
9	6.23	8.01	9.72	15.34	23.54	14.95	30.59	22.26	11.48	6.68	5.46	5.12
10	6.11	7.82	9.27	14.99	27.57	14.87	29.70	20.79	10.90	6.42	5.43	5.14
11	6.03	7.57	8.96	14.78	28.79	14.61	28.60	19.71	10.31	6.22	5.39	5.11
12	5.95	7.34	10.77	14.69	29.46	14.19	26.34	18.88	9.77	6.07	5.34	5.06
13	5.87	7.07	22.95	14.25	29.89	13.80	29.43	18.16	9.44	5.95	5.30	5.03
14	5.81	6.81	26.54	13.58	30.12	13.51	31.02	17.44	9.34	5.85	5.26	5.01
15	5.77	6.61	27.95	12.91	30.04	13.15	33.05	16.85	9.30	5.75	5.22	4.99
16	5.73	6.48	29.06	12.46	29.66	13.08	34.54	22.24	9.26	5.66	5.18	4.97
17	5.70	6.47	29.86	12.18	29.05	17.41	34.80	27.25	9.23	5.58	5.15	4.96
18	5.67	6.68	29.99	11.99	28.26	20.53	34.38	29.26	9.21	5.57	5.12	4.94
19	5.65	6.84	29.54	11.87	27.29	21.84	33.78	31.06	9.24	5.65	5.11	4.94
20	5.63	6.82	28.62	11.74	25.96	24.17	33.17	32.29	9.33	5.50	5.09	4.96
21	5.61	6.68	27.35	11.55	24.17	27.44	32.47	32.40	9.30	5.53	5.08	4.96
22	5.84	11.17	25.50	14.90	22.21	29.60	31.67	32.38	9.43	5.62	5.06	4.94
23	6.14	22.00	22.89	24.65	20.29	31.03	30.85	32.65	12.62	5.50	5.03	4.92
24	6.40	25.63	22.08	27.12	18.45	31.68	29.96	32.98	16.88	6.03	5.02	4.90
25	6.31	26.62	23.19	28.14	16.61	31.74	28.99	32.62	18.68	6.20	5.01	4.90
26	6.09	27.24	23.07	28.75	14.88	31.62	29.35	31.85	18.48	5.98	5.00	4.88
27	5.99	27.49	22.51	29.07	13.61	31.64	29.94	30.97	16.37	5.79	5.00	4.87
28	5.98	27.33	21.72	29.02	12.80	32.52	30.74	29.96	13.72	6.14	5.01	4.90
29	5.96	26.55	20.60	28.63	12.26	33.33	31.97	28.59	11.60	7.76	5.08	5.06
30	6.00	25.21	19.29	27.99	---	34.81	32.21	26.63	10.57	7.39	5.09	5.21
31	8.45	---	18.02	27.34	---	36.32	---	23.86	---	6.70	5.05	---
MEAN	6.48	12.86	20.50	18.19	23.34	21.29	32.06	27.09	12.50	6.64	5.30	4.99
MAX	10.27	27.49	29.99	29.07	30.12	36.32	36.79	32.98	20.49	10.08	6.23	5.21
MIN	5.61	6.47	8.96	11.55	12.26	12.05	28.34	16.85	9.21	5.50	5.00	4.87

07372200 LITTLE RIVER NEAR ROCHELLE, LA--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1958-59, 1965 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: October 1964 to current year.
WATER TEMPERATURES: May 1980 to September 1980.

INSTRUMENTATION.--Specific conductance recorder (strip chart) October 1964 to May 22, 1980. Monitor installed May 23, 1980.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum, 26,800 micromhos Dec. 4, 1965; minimum, 40 micromhos Apr. 11-13, June 12-16, 1975.
WATER TEMPERATURES: Maximum daily, 33.0°C July 13-17, 1980; minimum daily, 20.5°C May 23, 24, 25, 1980.

EXTREMES FOR CURRENT YEAR.--
SPECIFIC CONDUCTANCE: Maximum daily, 1,730 micromhos Sep. 30; minimum daily, 56 micromhos May 26.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE, WATER (DEG C)	COLOR (PLATINUM COBALT UNITS)	TURBIDITY (JTU)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)
NOV												
06...	0845	348	6.8	14.5	120	35	8.6	4.1	200	1700	25	0
JAN												
08...	0945	186	6.5	7.5	140	25	11.0	5.6	300	1500	25	3
APR												
08...	0830	75	5.6	19.0	70	25	6.5	3.0	K34	170	16	8
JUL												
15...	0830	919	6.7	--	120	30	3.9	--	K40	2000	61	0

DATE	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM ADSORPTION RATIO	POTASSIUM, DISSOLVED (MG/L AS K)	BICARBONATE (MG/L AS HCO3)	CARBONATE (MG/L AS CO3)	ALKALINITY (MG/L AS CACO3)	CARBON DIOXIDE DISSOLVED (MG/L AS CO2)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)
NOV												
06...	7.0	1.9	61	85	5.3	4.9	71	0	58	18	44	40
JAN												
08...	6.8	1.9	26	69	2.3	.9	26	0	21	13	24	25
APR												
08...	4.6	1.0	5.0	38	.6	1.8	9	0	7	36	9.0	6.8
JUL												
15...	18	3.9	160	84	8.9	5.4	108	0	89	35	110	160

DATE	FLUORIDE, DISSOLVED (MG/L AS F)	SILICA, DISSOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L)	SOLIDS, DISSOLVED (TONS PER AC-FT)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS NO3)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS TOTAL (MG/L AS PO4)
NOV											
06...	.1	12	207	206	.28	.16	1.2	1.4	6.0	.180	.55
JAN											
08...	.0	14	148	112	.20	.05	.98	1.0	4.6	.080	.25
APR											
08...	.0	8.2	63	40	.09	.03	1.3	1.3	5.9	.070	.21
JUL											
15...	.2	22	543	532	.74	.25	1.3	1.6	6.9	.230	.71

K Results based on colony count outside the acceptable range (non-ideal count).

07372200 LITTLE RIVER NEAR ROCHELLE, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	ARSENIC DISSOLVED (UG/L AS AS)	ARSENIC TOTAL IN BOTTOM MATERIAL (UG/G AS AS)	CADMIUM DISSOLVED (UG/L AS CD)	CADMIUM RECOV. FM BOTTOM MATERIAL (UG/G AS CD)	CHROMIUM, RECOV. FM BOTTOM MATERIAL (UG/G)	CHROMIUM, HEXAVALENT, DIS. (UG/L AS CR)	COPPER, DISSOLVED (UG/L AS CU)	COPPER, RECOV. FM BOTTOM MATERIAL (UG/G AS CU)	IRON, DISSOLVED (UG/L AS FE)	IRON, RECOV. FM BOTTOM MATERIAL (UG/G AS FE)	LEAD, DISSOLVED (UG/L AS PB)	LEAD, RECOV. FM BOTTOM MATERIAL (UG/G AS PB)
NOV 06...	1	0	2	0	0	0	2	0	290	670	0	0

DATE	MANGANESE, DISSOLVED (UG/L AS MN)	MANGANESE, RECOV. FM BOTTOM MATERIAL (UG/G)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	MERCURY RECOV. FM BOTTOM MATERIAL (UG/G AS HG)	ZINC, DISSOLVED (UG/L AS ZN)	ZINC, RECOV. FM BOTTOM MATERIAL (UG/G AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	PCB, TOTAL (UG/L)	PCB, TOTAL IN BOTTOM MATERIAL (UG/KG)	NAPHTHALENES, POLYCHLOR. TOTAL (UG/L)
NOV 06...	100	40	.1	.01	10	2	19	.00	0	.0	0	.00

DATE	PCN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	CHLORDANE, TOTAL (UG/L)	CHLORDANE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDE, TOTAL (UG/L)	DDE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIAZINON, TOTAL (UG/L)
NOV 06...	0	.00	.0	.0	0	.00	.0	.00	.0	.00	.0	.00

DATE	DIAZINON, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIELDRIN TOTAL (UG/L)	DIELDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDOSULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ENDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ETHION, TOTAL (UG/L)	ETHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR, TOTAL (UG/L)	HEPTACHLOR, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR EPOXIDE TOTAL (UG/L)	HEPTACHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)
NOV 06...	.0	.00	.0	.00	.00	.0	.00	.0	.00	.0	.00	.0

DATE	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOTTOM MATERIAL (UG/KG)	MALATHION, TOTAL (UG/L)	MALATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	METHOXYCHLOR, TOTAL (UG/L)	METHOXYCHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARATHION, TOTAL (UG/L)	METHYL PARATHION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRITHION, TOTAL (UG/L)	METHYL TRITHION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, TOTAL (UG/L)
NOV 06...	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00

DATE	MIREX, TOTAL IN BOTTOM MATERIAL (UG/KG)	PARATHION, TOTAL (UG/L)	PARATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	PERTHANE TOTAL (UG/L)	TOXAPHENE, TOTAL (UG/L)	TOXAPHENE, TOTAL IN BOTTOM MATERIAL (UG/KG)	TOTAL TRITHION (UG/L)	TRITHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	2,4-D, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
NOV 06...	.0	.00	.0	.00	0	0	.00	.0	.04	.00	.00

07372200 LITTLE RIVER NEAR ROCHELLE, LA--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
SAMPLING DEPTH 1.00(FT.), MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1		---	120	---				---	126	286	805	873
2		---	135	150				---	165	314	737	860
3		---	140	170				---	182	372	731	875
4		---	150	250				---	205	470	755	907
5		---	180	260				---	223	493	741	940
6		---	210	220				---	250	548	722	1100
7		---	220	180				---	267	603	825	1150
8		---	260	190				---	291	682	796	1180
9		---	320	180				---	332	678	724	1220
10		---	290	185				---	365	723	688	---
11		---	315	220				---	404	853	668	---
12		---	360	320				---	420	921	667	---
13		---	295	220				---	439	889	681	---
14		---	100	225				---	464	884	718	---
15		---	75	235				---	487	872	793	---
16		---	60	260				---	510	882	831	---
17		---	---	290				---	528	894	823	---
18		---	---	295				---	522	931	809	---
19		---	---	280				---	567	1030	812	---
20		720	---	260				---	602	1210	824	1530
21		800	---	260				---	657	1260	832	1590
22		790	---	340				---	738	1230	838	1600
23		330	---	140				65	1570	1260	850	1600
24		120	---	90				60	124	1610	858	1600
25		80	---	80				57	81	1320	852	1590
26		90	---	70				56	65	1240	851	1380
27		80	---	75				59	94	1290	861	1010
28		85	---	80				64	128	1440	869	1460
29		95	---	---				71	213	1660	878	1690
30		100	---	---				85	297	762	890	1730
31		---	---	---				101	---	836	891	---

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1			---	---	24.5	24.0	30.5	29.0	30.5	30.0	29.5	28.5
2			---	---	25.0	24.5	31.0	29.5	30.5	30.0	30.0	29.0
3			---	---	26.0	25.0	31.5	30.0	30.5	30.0	29.5	29.0
4			---	---	26.5	25.5	32.0	30.5	31.0	30.0	29.5	29.0
5			---	---	27.0	25.5	31.5	30.5	31.0	30.5	29.5	28.5
6			---	---	27.5	26.0	32.0	31.0	31.0	30.5	28.5	28.0
7			---	---	28.0	27.0	32.5	31.5	31.0	30.5	29.0	28.0
8			---	---	28.0	27.5	32.0	31.5	31.0	30.5	29.0	28.5
9			---	---	28.0	27.0	32.0	31.0	31.0	31.0	29.0	28.5
10			---	---	27.0	26.0	32.0	31.0	31.0	30.5	---	---
11			---	---	27.0	25.5	32.5	31.5	31.0	30.5	---	---
12			---	---	27.0	26.0	32.5	31.5	31.0	31.0	---	---
13			---	---	27.0	26.0	33.0	31.5	31.5	30.5	---	---
14			---	---	27.0	26.5	33.0	32.0	31.5	31.0	---	---
15			---	---	27.5	27.0	33.0	32.0	31.5	31.0	---	---
16			---	---	28.0	27.0	33.0	32.0	31.5	31.0	---	---
17			---	---	28.5	27.5	33.0	32.0	31.5	31.0	---	---
18			---	---	29.5	28.0	32.5	31.5	31.5	30.5	---	---
19			---	---	29.0	28.5	32.5	31.5	31.5	30.5	---	---
20			---	---	28.5	28.0	32.0	31.5	31.5	30.5	28.5	28.5
21			---	---	28.5	27.5	31.5	31.0	31.5	30.5	29.0	28.5
22			---	---	28.0	27.5	31.0	30.5	31.5	30.5	29.0	28.5
23			21.0	20.5	27.5	25.0	31.0	30.5	31.0	30.0	29.5	28.5
24			21.0	20.5	25.0	24.5	30.5	30.0	30.5	29.5	29.0	28.5
25			21.0	20.5	25.0	24.0	30.5	30.0	30.0	29.5	28.5	28.0
26			22.0	21.0	26.0	25.0	31.0	30.5	30.0	29.5	28.0	27.5
27			22.5	22.0	27.0	26.0	31.5	30.5	29.5	29.0	27.0	26.0
28			23.0	22.5	28.0	27.0	31.0	30.0	29.0	28.5	26.0	25.5
29			23.0	22.5	29.0	28.0	30.5	29.0	28.5	28.0	26.0	25.5
			23.5	23.0	29.5	28.5	29.5	28.5	28.5	28.0	26.0	25.5
			24.0	23.5	---	---	30.0	29.0	29.0	28.0	---	---

07373000 BIG CREEK AT POLLOCK, LA
(Hydrologic bench-mark station)

LOCATION.--Lat 31°32'10", long 92°24'30", in SW¼SE¼ sec.31, T.7 N., R.1 E., Grant Parish, Hydrologic Unit 08040304, near right bank on downstream side of bridge on U.S. Highway 165, 0.5 mi (0.8 km) upstream from Sugar Branch, 0.8 mi (1.3 km) upstream from water-supply diversion dam, 0.8 mi (1.3 km) north of Pollock, and 1.3 mi (2.1 km) downstream from Dyson Creek.
DRAINAGE AREA.--51 mi² (132 km²), approximately.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--January 1942 to current year.
REVISED RECORDS.--WDR LA 75-1: 1958(M), 1966(M).
GAGE.--Duplex water-stage recorder (rain gage and water stage combination), concrete control since July 16, 1964. Datum of gage is 76.69 ft (23.375 m) National Geodetic Vertical Datum of 1929. Prior to Feb. 25, 1942, nonrecording gage, and Feb. 25, 1942, to June 21, 1955, water-stage recorder at site 0.3 mi (0.5 km) downstream at same datum; June 21, 1955, to May 18, 1964, water-stage recorder at present site and datum.
REMARKS.--Water-discharge records good. Supplementary recording rain gage 3.8 mi (6.1 km) northwest of station since June 26, 1964.
AVERAGE DISCHARGE.--38 years, 61.0 ft³/s (1.728 m³/s), 16.24 in/yr (412 mm/yr), 44,190 acre-ft/yr (54.5 hm³/yr).
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 23,500 ft³/s (666 m³/s) Apr. 29, 1953, gage height, 18.03 ft (5.496 m), 16.90 ft (5.151 m), site then in use; minimum, 3.7 ft³/s (0.10 m³/s) Sept. 29, 1956, gage height, 1.08 ft (0.329 m).
EXTREMES FOR CURRENT YEAR.--Peak discharge above base of 650 ft³/s (18 m³/s) and maximum (*):

Date	Time	Discharge (ft³/s)	Discharge (m³/s)	Gage height (ft)	Gage height (m)
Oct. 31	0930	691	19.6	7.58	2.130
Nov. 23	0900	671	19.0	7.48	2.280
Dec. 13	0230	1270	36.0	9.75	2.972
Jan. 22	2130	930	26.3	8.64	2.633

Date	Time	Discharge (ft³/s)	Discharge (m³/s)	Gage height (ft)	Gage height (m)
Mar. 28	0500	1110	31.9	9.31	2.838
Mar. 29	2300	2360	66.8	11.22	3.420
Apr. 11	0930	*2540	71.9	*11.40	3.475
Apr. 25	2400	719	20.4	7.72	2.353

Minimum discharge, 11 ft³/s (0.31 m³/s) Aug. 23, 24, gage height 2.85 ft (0.869 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	28	80	50	48	66	74	120	61	40	24	19	16
2	27	45	49	45	58	61	155	98	38	24	18	16
3	24	37	46	49	54	51	262	82	37	24	18	16
4	24	32	45	58	51	50	115	61	36	23	17	16
5	23	30	43	50	53	54	86	54	35	22	16	16
6	23	28	44	45	57	49	76	51	33	22	16	19
7	23	26	42	44	50	60	84	49	32	21	16	18
8	23	26	40	43	92	56	80	49	34	23	15	16
9	22	46	38	42	1110	50	63	49	52	24	14	16
10	21	79	37	42	578	48	60	45	36	22	14	15
11	21	40	37	76	146	49	57	44	32	21	14	14
12	21	32	288	51	98	53	1310	42	31	20	14	16
13	21	29	990	44	82	51	606	48	29	19	14	15
14	21	28	209	43	72	43	358	50	28	19	14	14
15	21	27	104	41	69	42	141	50	28	18	14	15
16	20	26	82	42	69	83	182	353	28	18	13	14
17	20	25	68	42	63	370	88	479	27	19	13	14
18	20	24	61	41	60	122	86	157	27	25	14	14
19	19	23	58	40	58	141	77	143	40	28	14	14
20	19	23	54	40	57	217	69	169	56	24	13	14
21	19	22	52	48	56	247	63	92	43	24	13	14
22	121	295	61	400	53	98	60	141	53	25	12	13
23	61	563	63	518	51	77	57	86	131	25	12	12
24	30	205	227	122	49	80	54	65	60	22	12	12
25	26	189	94	88	48	72	219	60	35	21	12	13
26	24	122	68	109	44	94	453	57	30	21	12	19
27	23	76	57	79	45	296	122	51	27	21	12	18
28	23	62	53	63	46	848	88	49	25	29	14	14
29	23	56	52	60	49	796	71	46	25	24	19	91
30	23	52	56	63	---	1100	63	44	24	21	19	108
31	437	---	51	96	---	222	---	42	---	19	19	---
TOTAL	1251	2348	3219	2572	3384	5654	5245	2867	1152	692	456	622
MEAN	40.4	78.3	104	83.0	117	182	175	92.5	38.4	22.3	14.7	20.7
MAX	437	563	990	518	1110	1100	1310	479	131	29	19	108
MIN	19	22	37	40	44	42	54	42	24	18	12	12
AC-FT	2480	4660	6380	5100	6710	11210	10400	5690	2280	1370	904	1230

CAL YR 1979 TOTAL 39180 MEAN 107 MAX 2800 MIN 16 AC-FT 77710
WTR YR 1980 TOTAL 29462 MEAN 80.5 MAX 1310 MIN 12 AC-FT 58440

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† Precipitation, in inches, during month at rain gage at station. Total for calendar year 1979, 61.19 inches; total for water year 1980, 55.73 inches.

‡ Precipitation, in inches, during month at rain gage upstream. Total for calendar year 1979, 69.13 inches; total for water year 1980, 55,33 inches.

07373000 BIG CREEK AT POLLOCK, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.14	3.59	3.37	3.35	3.50	3.35	3.78	3.46	3.28	3.09	3.01	2.97
2	3.13	3.33	3.36	3.33	3.44	3.46	3.93	3.68	3.26	3.09	3.00	2.96
3	3.10	3.25	3.34	3.36	3.41	3.38	4.51	3.60	3.25	3.09	2.99	2.97
4	3.09	3.20	3.33	3.44	3.38	3.37	3.76	3.46	3.24	3.08	2.98	2.96
5	3.08	3.17	3.31	3.37	3.40	3.41	3.62	3.41	3.23	3.06	2.97	2.95
6	3.08	3.15	3.32	3.33	3.43	3.36	3.56	3.38	3.21	3.06	2.96	3.01
7	3.07	3.12	3.30	3.32	3.37	3.45	3.61	3.36	3.20	3.05	2.95	2.99
8	3.07	3.12	3.28	3.31	3.62	3.42	3.56	3.36	3.22	3.07	2.94	2.97
9	3.06	3.34	3.26	3.30	9.19	3.37	3.48	3.36	3.39	3.09	2.93	2.96
10	3.05	3.58	3.25	3.30	6.64	3.35	3.45	3.33	3.24	3.06	2.93	2.94
11	3.04	3.28	3.25	3.56	3.89	3.36	3.43	3.32	3.20	3.04	2.92	2.93
12	3.05	3.20	4.82	3.38	3.68	3.40	9.29	3.30	3.18	3.03	2.93	2.95
13	3.04	3.16	8.88	3.32	3.60	3.38	7.07	3.35	3.16	3.02	2.92	2.94
14	3.04	3.14	4.26	3.31	3.54	3.31	5.26	3.37	3.15	3.01	2.92	2.93
15	3.04	3.13	3.71	3.29	3.52	3.30	3.87	3.37	3.15	2.99	2.91	2.94
16	3.03	3.12	3.60	3.30	3.52	3.55	3.70	5.26	3.14	3.00	2.90	2.93
17	3.03	3.11	3.51	3.30	3.48	5.35	3.63	6.16	3.13	3.01	2.90	2.91
18	3.03	3.09	3.46	3.29	3.45	3.79	3.62	3.94	3.13	3.11	2.91	2.91
19	3.02	3.08	3.44	3.28	3.44	3.87	3.57	3.88	3.26	3.15	2.91	2.91
20	3.02	3.07	3.41	3.28	3.43	4.22	3.52	3.99	3.42	3.09	2.90	2.92
21	3.02	3.06	3.39	3.35	3.42	4.40	3.48	3.65	3.31	3.10	2.89	2.92
22	3.65	4.89	3.46	5.55	3.40	3.68	3.45	3.87	3.34	3.11	2.88	2.89
23	3.46	6.78	3.48	6.40	3.38	3.57	3.43	3.62	3.83	3.11	2.87	2.87
24	3.17	4.25	4.28	3.79	3.36	3.59	3.41	3.49	---	3.06	2.87	2.87
25	3.12	4.08	3.66	3.63	3.35	3.54	4.48	3.45	---	3.05	2.88	2.89
26	3.09	3.79	3.51	3.73	3.32	3.66	5.96	3.43	---	3.04	2.87	3.02
27	3.07	3.56	3.43	3.58	3.33	4.90	3.79	3.38	---	3.05	2.88	2.99
28	3.07	3.47	3.40	3.48	3.34	8.31	3.63	3.36	---	3.16	2.91	2.93
29	3.07	3.42	3.39	3.45	3.36	6.94	3.53	3.34	---	3.10	3.01	3.56
30	3.07	3.39	3.42	3.48	---	8.95	3.48	3.32	3.10	3.04	3.01	3.71
31	5.86	---	3.38	3.67	---	4.25	---	3.30	---	3.02	3.01	---
MEAN	3.19	3.50	3.69	3.58	3.77	4.10	4.10	3.63	---	3.07	2.93	2.99
MAX	5.86	6.78	8.88	6.40	9.19	8.95	9.29	6.16	---	3.16	3.01	3.71
MIN	3.02	3.06	3.25	3.28	3.32	3.30	3.41	3.30	3.10	2.99	2.87	2.87

07373000 BIG CREEK AT POLLOCK, LA--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1968 to current year.

PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: October 1964 to September 1973, October 1974 to September 1976.

EXTREMES FOR PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: Maximum, 31.0°C July 30 to Aug. 1, 1976; minimum, 2.0°C Jan. 15, 1969, Jan. 10, 1976.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	STREAM-FLOW, INSTANTANEOUS (CFS)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE, WATER (DEG C)	COLOR (PLATINUM COBALT UNITS)	TURBIDITY (JTU)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)
OCT										
09...	1600	22	41	6.2	22.0	20	6	8.9	2.0	K120
NOV										
05...	1545	32	39	6.0	13.0	40	10	9.8	1.7	150
DEC										
06...	0900	42	38	6.2	10.5	40	5	10.7	1.9	K60
JAN										
07...	1400	47	36	5.9	10.5	40	5	9.5	1.2	100
FEB										
13...	1545	86	32	5.7	10.0	30	7	10.8	--	K40
MAR										
11...	0830	52	40	6.3	17.0	30	5	8.1	.6	290
APR										
07...	1715	94	34	5.7	18.5	30	10	8.8	1.0	K50
22...	0800	60	--	--	--	--	--	--	--	--
MAY										
08...	0945	52	35	6.2	19.0	20	6	8.2	1.7	K95
JUN										
02...	1345	39	--	--	--	--	--	--	--	--
04...	1700	37	40	6.7	25.0	40	5	7.5	1.7	K80
JUL										
14...	1345	22	42	6.4	28.0	20	5	7.4	--	100
16...	0900	18	--	--	--	--	--	--	--	--
AUG										
06...	1700	18	42	6.5	28.0	10	5	7.5	.1	K70
18...	1030	14	--	--	--	--	--	--	--	--
SEP										
04...	1830	15	41	6.2	27.5	10	5	6.8	2.3	170
22...	1140	13	--	--	--	--	--	--	--	--

DATE	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM ADSORPTION RATIO	POTASSIUM, DISSOLVED (MG/L AS K)
OCT									
09...	200	11	0	3.2	.8	5.1	53	.7	1.3
NOV									
05...	520	9	0	2.1	.8	4.0	44	.6	1.6
DEC									
06...	200	8	0	1.7	.9	4.0	48	.6	1.3
JAN									
07...	440	7	0	1.8	.6	4.0	51	.7	1.0
FEB									
13...	K50	6	2	1.6	.6	3.1	47	.5	1.0
MAR									
11...	200	8	0	2.0	.7	4.3	50	.7	1.1
APR									
07...	K180	6	0	1.6	.6	3.4	49	.6	1.0
MAY									
08...	250	7	0	1.7	.7	3.7	49	.6	1.0
JUN									
04...	940	9	0	2.3	.9	4.0	44	.6	1.2
JUL									
14...	3300	8	0	2.0	.8	4.8	51	.7	1.3
AUG									
06...	440	7	0	1.7	.7	4.3	51	.7	1.4
SEP									
04...	560	8	0	1.8	.9	5.0	52	.8	1.6

K Results based on colony count outside the acceptable range (non-ideal count).

07373000 BIG CREEK AT POLLOCK, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	BICARBONATE (MG/L AS HCO3)	CARBONATE (MG/L AS CO3)	ALKALINITY (MG/L AS CACO3)	CARBON DIOXIDE DISSOLVED (MG/L AS CO2)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	FLUORIDE, DISSOLVED (MG/L AS F)	SILICA, DISSOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)
OCT 09...	16	0	13	16	5.4	5.0	.0	22	48
NOV 05...	12	0	10	19	2.9	4.5	.0	19	55
DEC 06...	13	0	11	13	2.2	4.1	.1	20	40
JAN 07...	10	0	8	20	1.8	4.3	.0	19	49
FEB 13...	5	0	4	16	2.5	5.2	.0	14	34
MAR 11...	10	0	8	8.0	1.7	4.6	.0	16	44
APR 07...	8	0	7	26	1.4	3.7	.0	16	35
MAY 08...	12	0	10	12	1.6	3.8	.1	18	44
JUN 04...	11	0	9	3.6	2.0	3.9	.0	19	45
JUL 14...	13	0	11	8.2	1.7	4.9	.2	23	46
AUG 06...	12	0	10	6.2	1.4	4.3	.1	21	47
SEP 04...	15	0	12	15	2.4	5.4	.0	21	53

DATE	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L)	SOLIDS, DISSOLVED (TONS PER AC-FT)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, TOTAL (MG/L AS PO4)	PHOSPHORUS, ORTHOPH OSPHATE DISSOL. (MG/L AS P)	PHOSPHORUS, ORTHOPH OSPHATE DISSOL. (MG/L AS PO4)
OCT 09...	51	.07	.06	.07	.020	.06	.01	.03
NOV 05...	42	.07	.13	.12	.020	.06	.01	.03
DEC 06...	40	.05	.09	--	.010	.03	--	--
JAN 07...	38	.07	--	.07	--	--	.01	.03
FEB 13...	30	.05	.08	.08	.020	.06	.00	.00
MAR 11...	35	.06	.07	.08	.040	.12	.00	.00
APR 07...	32	.05	--	.08	--	--	.11	.34
MAY 08...	37	.06	.08	.12	.030	.09	--	--
JUN 04...	38	.06	--	.15	.020	.06	.01	.03
JUL 14...	45	.06	.06	.06	.030	.09	.00	.00
AUG 06...	41	.06	--	.06	--	--	.00	.00
SEP 04...	45	.07	--	.03	--	--	.00	.00

07373000 BIG CREEK AT POLLOCK, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	ARSENIC TOTAL (UG/L AS AS)	ARSENIC SUSPENDED TOTAL (UG/L AS AS)	ARSENIC DISSOLVED (UG/L AS AS)	BARIUM, TOTAL RECOVERABLE (UG/L AS BA)	BARIUM, SUSPENDED RECOVERABLE (UG/L AS BA)	BARIUM, DISSOLVED (UG/L AS BA)	BERYLLIUM, DISSOLVED (UG/L AS BE)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CADMIUM DISSOLVED (UG/L AS CD)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)	CHROMIUM, SUSPENDED RECOV. (UG/L AS CR)
NOV											
05...	1	0	1	100	80	20	<1	0	<1	0	0
MAR											
11...	0	0	0	--	--	30	<1	0	<1	0	0

DATE	CHROMIUM, DISSOLVED (UG/L AS CR)	COBALT, DISSOLVED (UG/L AS CO)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	COPPER, SUSPENDED RECOVERABLE (UG/L AS CU)	COPPER, DISSOLVED (UG/L AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	IRON, SUSPENDED RECOVERABLE (UG/L AS FE)	IRON, DISSOLVED (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	LEAD, SUSPENDED RECOVERABLE (UG/L AS PB)
NOV										
05...	0	<3	--	--	10	600	360	240	3	--
MAR										
11...	0	<3	10	0	10	670	480	190	5	5

DATE	LEAD, DISSOLVED (UG/L AS PB)	LITHIUM DISSOLVED (UG/L AS LI)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	MANGANESE, SUSPENDED RECOV. (UG/L AS MN)	MANGANESE, DISSOLVED (UG/L AS MN)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	MERCURY SUSPENDED RECOVERABLE (UG/L AS HG)	MERCURY DISSOLVED (UG/L AS HG)	MOLYBDENUM, DISSOLVED (UG/L AS MO)	SELENIUM, TOTAL (UG/L AS SE)
NOV										
05...	10	6	70	3	67	.1	.1	.0	<10	0
MAR										
11...	0	7	40	3	37	.2	--	.3	<10	0

DATE	SELENIUM, SUSPENDED TOTAL (UG/L AS SE)	SELENIUM, DISSOLVED (UG/L AS SE)	SILVER, TOTAL RECOVERABLE (UG/L AS AG)	SILVER, SUSPENDED RECOVERABLE (UG/L AS AG)	SILVER, DISSOLVED (UG/L AS AG)	STRONTIUM, DISSOLVED (UG/L AS SR)	VANADIUM, DISSOLVED (UG/L AS V)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)	ZINC, SUSPENDED RECOVERABLE (UG/L AS ZN)	ZINC, DISSOLVED (UG/L AS ZN)
NOV										
05...	0	0	0	0	0	20	6.0	6	--	10
MAR										
11...	0	0	0	0	0	20	6.0	30	20	8

DATE	GROSS ALPHA, DISSOLVED (UG/L AS U-NAT)	GROSS ALPHA, SUSP. TOTAL (UG/L AS U-NAT)	GROSS ALPHA, DISSOLVED (PCI/L AS U-NAT)	GROSS ALPHA, SUSP. TOTAL (PCI/L AS U-NAT)	GROSS BETA, DISSOLVED (PCI/L AS CS-137)	GROSS BETA, SUSP. TOTAL (PCI/L AS CS-137)	GROSS BETA, DISSOLVED (PCI/L AS SR/YT-90)	GROSS BETA, SUSP. TOTAL (PCI/L AS SR/YT-90)	RADIUM 226, DISSOLVED, RADON METHOD (PCI/L)	URANIUM DISSOLVED, EXTRACTION (UG/L)
MAR										
11...	<.7	.6	<.5	.4	1.5	<.4	1.6	<.4	.07	.02

DATE	PCB, TOTAL (UG/L)	PCB, TOTAL IN BOTTOM MATERIAL (UG/KG)	NAPHTHALENES, POLYCHLOR. TOTAL (UG/L)	PCN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	CHLORDANE, TOTAL (UG/L)	CHLORDANE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDE, TOTAL (UG/L)
NOV											
05...	.0	0	.00	.0	.00	.0	.0	0	.00	.6	.00

< Actual value is known to be less than the value shown.

07373000 BIG CREEK AT POLLOCK, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	DDE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIAZINON, TOTAL (UG/L)	DIELDRIN TOTAL (UG/L)	DIELDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDOSULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ENDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ETHION, TOTAL (UG/L)	HEPTACHLOR, TOTAL (UG/L)
NOV											
05...	.1	.00	.0	.00	.00	.0	.00	.00	.0	.00	.00

DATE	HEPTACHLOR, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR EPOXIDE TOTAL (UG/L)	HEPTACHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOTTOM MATERIAL (UG/KG)	MALATHION, TOTAL (UG/L)	METHOXYCHLOR, TOTAL (UG/L)	METHOXYCHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARATHION, TOTAL (UG/L)	METHYL TRITHION, TOTAL (UG/L)
NOV										
05...	.0	.00	.0	.00	.0	.00	.00	.0	.00	.00

DATE	MIREX, TOTAL (UG/L)	MIREX, TOTAL IN BOTTOM MATERIAL (UG/KG)	PARATHION, TOTAL (UG/L)	PERTHANE TOTAL (UG/L)	TOXAPHENE, TOTAL (UG/L)	TOXAPHENE, TOTAL IN BOTTOM MATERIAL (UG/KG)	TOTAL TRITHION (UG/L)	2,4-D, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
NOV										
05...	.00	.0	.00	.00	0	0	.00	.00	.00	.00

DATE	SEDIMENT, SUSPENDED (MG/L)	SEDIMENT DISCHARGE, SUSPENDED (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT			
09...	27	1.6	63
30...	39	--	77
NOV			
05...	28	2.4	50
DEC			
06...	10	1.1	18
JAN			
07...	14	1.8	79
FEB			
13...	14	3.3	86
MAR			
11...	16	2.2	81
APR			
07...	40	10	78
22...	27	4.4	71
MAY			
08...	34	4.8	79
JUN			
02...	36	3.8	76
04...	27	2.7	66
JUL			
14...	31	1.8	59
16...	34	1.7	81
AUG			
06...	32	1.6	88
18...	18	.68	81
SEP			
04...	23	.93	87
22...	20	.70	74

07373278 LAKE ST. JOHN NEAR WATERPROOF, LA

LOCATION.--Lat 31°42'00", long 91°27'30", lot 47, T.8 N., R.10 E., Concordia Parish, Hydrologic Unit 08040306, at private fishing pier, 8.5 mi (13.7 km) southwest of Waterproof.

DRAINAGE AREA.--14.8 mi² (38.3 km²).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--January 1967 to current year (elevations only).

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929. Prior tc Oct. 1, 1976, at datum 50.00 ft (15.240 m) higher.

REMARKS.--Lake is formed from an oxbow lake by four control structures; two are on Buckner Bayou. Buckner Bayou floodgate consists of two 4-ft (1.22-m) pipes (invert elevations, 47.9 ft or 14.60 m) with stoplogs which raise elevation to 53.0 ft (16.15 m). Structure built about 1948. Adjacent to the floodgate is Buckner Bayou weir, which was built about 1975. The weir has a 30-ft (9.1-m) length with crest elevation of 53.0 ft (16.15 m).
Lake St. John Control Structure is on lateral canal 2-A near southern end of Lake St. John on west side of lake. This structure consists of two 8.5-by 3.5-ft (2.59- by 1.07-m) timber gates with invert of gates at elevation 53.0 ft (16.15 m) and was built about 1967.
Little Tensas Bayou Control Structure is located at northeast end of Lake St. John and consists of a 5.0-ft (1.52-m) pipe with flap valve. Invert of pipe is 50.3 ft (15.33 m) elevation.
Lake is used for conservation and flood control.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 58.17 ft (17.730 m), present datum, May 13, 1973; minimum, 51.47 ft (15.688 m), present datum, Nov. 26, 1978.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 56.03 ft (17.078 m) Mar. 30, 31; minimum, 51.92 ft (15.825 m) Sept. 28.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
INSTANTANEOUS OBSERVATIONS AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	52.85	52.54	52.81	53.96	54.32	53.90	55.96	54.61	54.04	53.72	53.05	52.43
2	52.83	52.50	52.80	53.93	54.26	53.87	55.81	54.55	53.99	53.69	53.03	52.41
3	52.81	52.48	52.78	53.92	54.21	53.80	55.77	54.66	53.95	53.66	53.00	52.39
4	52.80	52.46	52.77	53.93	54.17	53.77	55.63	54.59	53.91	53.63	52.98	52.38
5	52.76	52.44	52.76	53.91	54.12	53.80	55.48	54.52	53.88	53.60	52.96	52.36
6	52.73	52.43	52.76	53.88	54.10	53.78	55.34	54.45	53.84	53.57	52.94	52.33
7	52.72	52.41	52.76	53.86	54.07	53.76	55.25	54.39	53.80	53.55	52.93	52.32
8	52.70	52.40	52.76	53.85	54.02	53.76	55.15	54.34	53.77	53.56	52.91	52.31
9	52.69	52.39	52.74	53.84	54.30	53.75	55.01	54.27	53.74	53.53	52.89	52.29
10	52.67	52.46	52.73	53.81	54.64	53.73	54.90	54.21	53.70	53.50	52.87	52.27
11	52.63	52.44	52.73	54.40	54.68	53.73	54.80	54.17	53.67	53.48	52.89	52.26
12	52.61	52.40	52.79	54.67	54.65	53.69	55.00	54.12	53.64	53.45	52.86	52.24
13	52.60	52.39	53.57	54.77	54.60	53.69	55.16	54.08	53.61	53.42	52.85	52.21
14	52.57	52.37	53.87	54.79	54.54	53.68	55.18	54.06	53.58	53.39	52.82	52.20
15	52.54	52.35	53.97	54.74	54.48	53.64	55.10	54.09	53.55	53.36	52.80	52.18
16	52.53	52.34	54.02	54.68	54.44	53.62	55.00	54.37	53.52	53.34	52.77	52.16
17	52.53	52.33	54.02	54.62	54.39	54.22	54.91	54.71	53.49	53.32	52.75	52.14
18	52.52	52.33	53.97	54.56	54.31	54.45	54.90	54.76	53.47	53.29	52.74	52.13
19	52.51	52.32	53.94	54.50	54.26	54.49	54.84	54.74	53.45	53.27	52.72	52.11
20	52.50	52.32	53.92	54.44	54.22	54.65	54.77	54.68	53.57	53.25	52.69	52.08
21	52.50	52.31	53.90	54.38	54.18	54.87	54.69	54.62	53.57	53.23	52.67	52.06
22	52.49	52.35	53.90	54.34	54.15	54.86	54.61	54.61	53.55	53.20	52.66	52.05
23	52.59	52.56	53.92	54.73	54.11	54.80	54.54	54.55	53.74	53.21	52.62	52.03
24	52.56	52.64	54.07	54.74	54.08	54.83	54.46	54.49	53.85	53.19	52.58	52.01
25	52.54	52.76	54.10	54.69	54.04	54.79	54.41	54.42	53.90	53.17	52.56	51.99
26	52.53	52.84	54.09	54.67	54.00	54.72	54.60	54.38	53.88	53.14	52.54	52.00
27	52.52	52.85	54.08	54.61	53.94	54.73	54.87	54.32	53.85	53.12	52.52	51.97
28	52.51	52.87	54.06	54.53	53.91	55.24	54.80	54.26	53.82	53.13	52.51	51.93
29	52.50	52.83	54.03	54.48	53.89	55.44	54.73	54.20	53.78	53.11	52.49	51.95
30	52.49	52.82	54.01	54.40	---	55.96	54.67	54.14	53.75	53.09	52.46	52.06
31	52.54	---	53.99	54.42	---	56.03	---	54.09	---	53.08	52.45	---
MEAN	52.61	52.50	53.50	54.36	54.24	54.32	55.02	54.40	53.73	53.36	52.76	52.18
MAX	52.85	52.87	54.10	54.79	54.68	56.03	55.96	54.76	54.04	53.72	53.05	52.43
MIN	52.49	52.31	52.73	53.81	53.89	53.62	54.41	54.06	53.45	53.08	52.45	51.93

07373278 LAKE ST. JOHN NEAR WATERPROOF, LA--Continued

WATER-QUALITY RECORDS

LOCATION.--Samples collected 1.5 mi (2.4 km) southeast of gage.

PERIOD OF RECORD.--Water years 1963, 1967, 1977 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE, WATER (DEG C)	COLOR (PLATINUM COBALT UNITS)	TURBIDITY (JTU)	OXYGEN, DISSOLVED (MG/L)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	CALCIUM DISSOLVED (MG/L AS CA)
JUN 05...	1020	120	8.3	29.5	5	2	9.4	K2	94	39	0	11
JUL 16...	1230	135	8.8	34.0	10	5	8.5	<5	K160	44	16	12

DATE	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM ADSORPTION RATIO	POTASSIUM, DISSOLVED (MG/L AS K)	BICARBONATE (MG/L AS HCO3)	CARBONATE (MG/L AS CO3)	ALKALINITY (MG/L AS CACO3)	CARBON DIOXIDE DISSOLVED (MG/L AS CO2)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	FLUORIDE, DISSOLVED (MG/L AS F)
JUN 05...	2.9	5.0	20	.3	3.6	49	0	40	.4	.7	7.4	.0
JUL 16...	3.3	6.7	23	.4	4.4	33	10	27	.1	2.1	9.6	.2

DATE	SILICA, DISSOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L)	SOLIDS, DISSOLVED (TONS PER AC-FT)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS NO3)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS TOTAL (MG/L AS PO4)
JUN 05...	1.6	61	55	.08	.01	1.1	1.1	4.9	.050	.15
JUL 16...	7.1	77	71	.10	.00	1.9	1.9	8.4	.110	.34

DATE	ARSENIC DISSOLVED (UG/L AS AS)	ARSENIC TOTAL IN BOTTOM MATERIAL (UG/G AS AS)	CADMIUM DISSOLVED (UG/L AS CD)	CADMIUM RECOV. FM BOTTOM MATERIAL (UG/G AS CD)	CHROMIUM, RECOV. FM BOTTOM MATERIAL (UG/G)	CHROMIUM, HEXAVALENT, DIS. (UG/L AS CR)	COPPER, DISSOLVED (UG/L AS CU)	COPPER, RECOV. FM BOTTOM MATERIAL (UG/G AS CU)	IRON, DISSOLVED (UG/L AS FE)	IRON, RECOV. FM BOTTOM MATERIAL (UG/G AS FE)	LEAD, DISSOLVED (UG/L AS PB)	LEAD, RECOV. FM BOTTOM MATERIAL (UG/G AS PB)
JUN 05...	2	14	<1	1	12	0	2	32	10	22000	0	20

DATE	MANGANESE, DISSOLVED (UG/L AS MN)	MANGANESE, RECOV. FM BOTTOM MATERIAL (UG/G)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	MERCURY RECOV. FM BOTTOM MATERIAL (UG/G AS HG)	ZINC, DISSOLVED (UG/L AS ZN)	ZINC, RECOV. FM BOTTOM MATERIAL (UG/G AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	PCB, TOTAL (UG/L)	PCB, TOTAL IN BOTTOM MATERIAL (UG/KG)	NAPHTHALENES, POLYCHLOR. TOTAL (UG/L)
JUN 05...	2	720	.0	.09	<3	65	7.6	.00	6	.0	0	.00

< Actual value is known to be less than the value shown.

K Results based on colony count outside the acceptable range (non-ideal count).

07373278 LAKE ST. JOHN NEAR WATERPROOF, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	PCN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	CHLORDANE, TOTAL (UG/L)	CHLORDANE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDE, TOTAL (UG/L)	DDE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIAZINON, TOTAL (UG/L)
JUN 05...	.0	.00	.0	.0	10	.00	22	.00	36	.00	6.6	.00

DATE	DIAZINON, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIELDRIN TOTAL (UG/L)	DIELDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDOSULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ENDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ETHION, TOTAL (UG/L)	ETHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR, TOTAL (UG/L)	HEPTACHLOR, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR EPOXIDE TOTAL (UG/L)	HEPTACHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)
JUN 05...	.0	.00	.3	.00	.00	.0	.00	.0	.00	.0	.00	.0

DATE	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOTTOM MATERIAL (UG/KG)	MALATHION, TOTAL (UG/L)	MALATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	METHOXYCHLOR, TOTAL (UG/L)	METHOXYCHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARATHION, TOTAL (UG/L)	METHYL PARATHION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRITHION, TOTAL (UG/L)	METHYL TRITHION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, TOTAL (UG/L)	MIREX, TOTAL IN BOTTOM MATERIAL (UG/KG)
JUN 05...	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0

DATE	PARATHION, TOTAL (UG/L)	PARATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	PERTHANE TOTAL (UG/L)	TOXAPHENE, TOTAL (UG/L)	TOXAPHENE, TOTAL IN BOTTOM MATERIAL (UG/KG)	TOTAL TRITHION (UG/L)	TRITHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	2,4-D, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)	PHYTOPLANKTON, TOTAL (CELLS PER ML)
JUN 05...	.00	.0	.00	0	0	.00	.0	.00	.00	.00	83000
JUL 16...	--	--	--	--	--	--	--	--	--	--	1000000

DATE	TIME	SAMPLING DEPTH (FT)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE, WATER (DEG C)	OXYGEN, DISSOLVED (MG/L)
JUN 05...	1021	5.0	120	8.3	28.0	9.1
05...	1022	10	119	6.7	27.0	4.7
05...	1023	15	119	6.6	25.5	2.1
05...	1024	20	131	6.6	22.0	.5
05...	1025	24	147	6.6	22.0	.7

07373278 LAKE ST. JOHN NEAR WATERPROOF, LA--Continued

PHYTOPLANKTON ANALYSES, OCTOBER 1979 TO JULY 1980

	JUN 5,80	JUL 16,80
DATE	JUN 5,80	JUL 16,80
TIME	1020	1230
TOTAL CELLS/ML	83000	1000000
DIVERSITY: DIVISION	0.8	0.0
.CLASS	0.8	0.0
..ORDER	1.7	0.1
...FAMILY	1.9	1.4
....GENUS	2.7	1.6

ORGANISM	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT
CHLOROPHYTA (GREEN ALGAE)				
.CHLOROPHYCEAE				
..CHLOROCOCCALES				
...MICRACTINIACEAE				
....MICRACTINIUM	*	0	--	-
...OOCYSTACEAE				
....ANKISTRODESMUS	1600	2	*	0
....CHLORELLA	*	0	--	-
....OOCYSTIS	*	0	--	-
....TETRAEDRON	*	0	--	-
...SCENEDESMACEAE				
....SCENEDESMUS	*	0	*	0
..TETRASPORALES				
...PALMELLACEAE				
....SPHAEROCYSTIS	1300	2	--	-
..ZYGNEMATALES				
...DESMIDIACEAE				
....COSMARIUM	*	0	--	-
CHRYSOPHYTA				
.BACILLARIOPHYCEAE				
..CENTRALES				
...COSCINODISCACEAE				
....CYCLOTELLA	1100	1	--	-
....MELOSIRA	5100	6	--	-
..PENNALES				
...NITZSCHIACEAE				
....NITZSCHIA	1700	2	--	-
CYANOPHYTA (BLUE-GREEN ALGAE)				
.CYANOPHYCEAE				
..CHROOCOCCALES				
...CHROOCOCCACEAE				
....AGMENELLUM	6900	8	--	-
....ANACYSTIS	25000#	30	9700	1
....DACTYLOCOCCOPSIS	--	-	*	0
..HORMOGONALES				
...NOSTOCACEAE				
....ANABAENA	6200	8	6300	1
....ANABAENOPSIS	29000#	35	580000#	57
....APHANIZOMENON	910	1	--	-
...OSCILLATORIACEAE				
....LYNGBYA	1100	1	25000	2
....OSCILLATORIA	--	-	310000#	30
....SPIRULINA	1600	2	--	-
...RIVULARIACEAE				
....RAPHIDIOPSIS	--	-	75000	7

NOTE: # - DOMINANT ORGANISM; EQUAL TO OR GREATER THAN 15%
* - OBSERVED ORGANISM, MAY NOT HAVE BEEN COUNTED; LESS THAN 1/2%

07373280 LAKE CONCORDIA NEAR FERRIDAY, LA

LOCATION.--Lat 31°40'25", long 91°30'05", in lot 33, T.8 N., R.9 E., Concordia Parish, Hydrologic Unit 08040306, at Louisiana Wildlife and Fisheries Commission pier, and 3.5 mi (5.6 km) northeast of Ferriday.

DRAINAGE AREA.--8.91 mi² (23.08 km²).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--January 1967 to current year (elevations only).

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929. Prior to Oct. 1, 1976, at datum 29.00 ft (8.839 m) higher.

REMARKS.--Lake is formed from an oxbow lake by two adjacent structures on Bayou Cocodrie. One structure, built about 1948, is a 4-ft (1.22-m) pipe with invert at 46.0 ft (14.02 m). The second structure is a 5.0-ft (1.52-m) pipe with a single gate. The invert of this pipe is 42.0 ft (12.80 m). This structure was built about 1975 to permit the lowering of the lake when needed. Lake is used for conservation and flood control.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 55.33 ft (16.865 m), present datum, May 14, 1973; minimum, 48.87 ft (14.896 m), present datum, Dec. 9, 1967.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 52.89 ft (16.121 m) Mar. 30; minimum, 49.28 ft (15.021 m) Sept. 28.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
INSTANTANEOUS OBSERVATIONS AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	49.75	49.55	50.00	50.90	51.18	50.91	52.87	52.27	51.45	50.79	50.31	49.74
2	49.73	49.54	49.99	50.87	51.14	50.85	52.83	52.20	51.40	50.77	50.30	49.72
3	49.71	49.52	49.99	50.86	51.10	50.86	52.85	52.32	51.34	50.75	50.28	49.70
4	49.69	49.51	49.99	50.86	51.06	50.83	52.80	52.27	51.29	50.73	50.26	49.68
5	49.68	49.50	49.99	50.85	51.04	50.87	52.74	52.21	51.24	50.71	50.23	49.66
6	49.66	49.50	49.99	50.84	51.02	50.85	52.67	52.16	51.19	50.69	50.21	49.66
7	49.65	49.48	49.99	50.83	50.99	50.86	52.64	52.09	51.13	50.67	50.19	49.64
8	49.64	49.47	49.97	50.81	50.96	50.86	52.58	52.02	51.10	50.72	50.18	49.63
9	49.63	49.48	49.98	50.79	51.19	50.84	52.49	51.95	51.04	50.70	50.16	49.62
10	49.60	49.52	49.97	50.79	51.47	50.84	52.42	51.89	50.99	50.68	50.15	49.60
11	49.59	49.50	49.98	51.30	51.49	50.81	52.35	51.85	50.95	50.67	50.13	49.58
12	49.57	49.49	50.02	51.37	51.48	50.82	52.57	51.80	50.91	50.65	50.12	49.56
13	49.57	49.48	50.99	51.37	51.46	50.82	52.66	51.75	50.88	50.63	50.10	49.55
14	49.52	49.47	51.21	51.36	51.43	50.80	52.68	51.71	50.85	50.61	50.08	49.54
15	49.52	49.47	51.24	51.33	51.40	50.78	52.65	51.66	50.82	50.59	50.06	49.52
16	49.52	49.46	51.23	51.30	51.35	50.79	52.59	51.86	50.79	50.57	50.04	49.50
17	49.51	49.46	51.17	51.27	51.30	51.43	52.53	52.03	50.76	50.55	50.02	49.49
18	49.51	49.45	51.15	51.23	51.28	51.54	52.51	52.02	50.75	50.53	50.00	49.47
19	49.50	49.45	51.10	51.19	51.25	51.54	52.47	52.05	50.74	50.50	49.98	49.45
20	49.50	49.45	51.06	51.15	51.21	51.65	52.42	52.01	50.79	50.48	49.97	49.44
21	49.50	49.46	51.03	51.11	51.18	51.85	52.36	51.97	50.78	50.46	49.95	49.42
22	49.50	49.50	51.02	51.11	51.15	51.86	52.30	51.97	50.76	50.44	49.93	49.41
23	49.57	49.76	51.00	51.45	51.12	51.83	52.24	51.92	50.98	50.44	49.89	49.40
24	49.56	49.81	51.14	51.46	51.08	51.88	52.17	51.87	50.99	50.43	49.86	49.38
25	49.54	49.96	51.10	51.43	51.04	51.84	52.09	51.83	50.97	50.41	49.84	49.37
26	49.53	50.00	51.07	51.43	50.98	51.82	52.47	51.79	50.94	50.40	49.83	49.34
27	49.53	50.01	51.03	51.39	50.96	51.83	52.48	51.73	50.90	50.38	49.80	49.32
28	49.52	50.00	51.00	51.35	50.94	52.29	52.44	51.69	50.88	50.37	49.79	49.29
29	49.52	50.01	50.97	51.29	50.91	52.35	52.39	51.63	50.85	50.36	49.79	49.32
30	49.51	50.01	50.95	51.26	---	52.84	52.32	51.57	50.82	50.34	49.77	49.35
31	49.58	---	50.92	51.20	---	52.88	---	51.51	---	50.33	49.76	---
MEAN	49.58	49.61	50.65	51.15	51.18	51.38	52.52	51.92	50.98	50.56	50.03	49.51
MAX	49.75	50.01	51.24	51.46	51.49	52.88	52.87	52.32	51.45	50.79	50.31	49.74
MIN	49.50	49.45	49.97	50.79	50.91	50.78	52.09	51.51	50.74	50.33	49.76	49.29

07373280 LAKE CONCORDIA NEAR FERRIDAY, LA--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1961, 1967, 1978 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE, WATER (DEG C)	COLOR (PLATINUM COBALT UNITS)	TURBIDITY (JTU)	OXYGEN, DISSOLVED (MG/L)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	CALCIUM DISSOLVED (MG/L AS CA)
JUN 05...	1220	262	8.3	30.5	10	3	12.1	<2	K2	120	0	31
JUL 16...	1330	253	8.0	34.0	15	4	9.7	<5	K2100	110	0	25

DATE	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM ADSORPTION RATIO	POTASSIUM, DISSOLVED (MG/L AS K)	BICARBONATE (MG/L AS HCO3)	CARBONATE (MG/L AS CO3)	ALKALINITY (MG/L AS CACO3)	CARBON DIOXIDE DISSOLVED (MG/L AS CO2)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	FLUORIDE, DISSOLVED (MG/L AS F)
JUN 05...	10	6.1	10	.2	3.5	153	0	125	1.2	5.0	4.3	.1
JUL 16...	12	6.6	11	.3	3.9	139	0	114	2.2	1.0	5.4	.3

DATE	SILICA, DISSOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L)	SOLIDS, DISSOLVED (TONS PER AC-FT)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS NO3)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS TOTAL (MG/L AS PO4)
JUN 05...	3.5	141	138	.19	.01	1.0	1.0	4.5	.080	.25
JUL 16...	11	135	133	.18	.00	1.6	1.6	7.1	.110	.34

DATE	ARSENIC DISSOLVED (UG/L AS AS)	ARSENIC TOTAL IN BOTTOM MATERIAL (UG/G AS AS)	CADMIUM DISSOLVED (UG/L AS CD)	CADMIUM RECOV. FM BOTTOM MATERIAL (UG/G AS CD)	CHROMIUM, RECOV. FM BOTTOM MATERIAL (UG/G)	CHROMIUM, HEXAVALENT, DIS. (UG/L AS CR)	COPPER, DISSOLVED (UG/L AS CU)	COPPER, RECOV. FM BOTTOM MATERIAL (UG/G AS CU)	IRON, DISSOLVED (UG/L AS FE)	IRON, RECOV. FM BOTTOM MATERIAL (UG/G AS FE)	LEAD, DISSOLVED (UG/L AS PB)	LEAD, RECOV. FM BOTTOM MATERIAL (UG/G AS PB)
JUN 05...	5	17	1	1	13	0	8	30	10	25000	1	40

DATE	MANGANESE, DISSOLVED (UG/L AS MN)	MANGANESE, RECOV. FM BOTTOM MATERIAL (UG/G)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	MERCURY RECOV. FM BOTTOM MATERIAL (UG/G AS HG)	ZINC, DISSOLVED (UG/L AS ZN)	ZINC, RECOV. FM BOTTOM MATERIAL (UG/G AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	PCB, TOTAL (UG/L)	PCB, TOTAL IN BOTTOM MATERIAL (UG/KG)	NAPHTHALENES, POLYCHLOR. TOTAL (UG/L)
JUN 05...	9	1300	.0	.05	8	80	8.8	.00	6	.0	0	.06

< Actual value is known to be less than the value shown.

K Results based on colony count outside the acceptable range (non-ideal count).

07373280 LAKE CONCORDIA NEAR FERRIDAY, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	PCN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	CHLORDANE, TOTAL (UG/L)	CHLORDANE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDE, TOTAL (UG/L)	DDE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIAZINON, TOTAL (UG/L)
JUN												
05...	.0	.00	.0	.0	2	.00	1.0	.00	8.9	.00	.0	.00

DATE	DIAZINON, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIELDRIN TOTAL (UG/L)	DIELDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDOSULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ENDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ETHION, TOTAL (UG/L)	ETHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR, TOTAL (UG/L)	HEPTACHLOR, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR EPOXIDE TOTAL (UG/L)	HEPTACHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)
JUN												
05...	.0	.00	.0	.00	.00	.0	.00	.0	.00	.0	.00	.0

DATE	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOTTOM MATERIAL (UG/KG)	MALATHION, TOTAL (UG/L)	MALATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	METHOXYCHLOR, TOTAL (UG/L)	METHOXYCHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARATHION, TOTAL (UG/L)	METHYL PARATHION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRITHION, TOTAL (UG/L)	METHYL TRITHION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, TOTAL (UG/L)	MIREX, TOTAL IN BOTTOM MATERIAL (UG/KG)
JUN												
05...	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0

DATE	PARATHION, TOTAL (UG/L)	PARATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	PERTHANE TOTAL (UG/L)	TOXAPHENE, TOTAL (UG/L)	TOXAPHENE, TOTAL IN BOTTOM MATERIAL (UG/KG)	TOTAL TRITHION (UG/L)	TRITHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	2,4-D, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)	PHYTOPLANKTON, TOTAL (CELLS PER ML)
JUN											
05...	.00	.0	.00	0	0	.00	.0	.01	.00	.00	54000
JUL											
16...	--	--	--	--	--	--	--	--	--	--	790000

DATE	TIME	SAMPLING DEPTH (FT)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE, WATER (DEG C)	OXYGEN, DISSOLVED (MG/L)
JUN						
05...	1221	5.0	269	8.2	29.0	9.0
05...	1222	10	270	7.1	27.5	2.2
05...	1223	15	281	6.8	24.5	.5
05...	1224	21	308	6.7	22.0	.5

07373280 LAKE CONCORDIA NEAR FERRIDAY, LA--Continued

PHYTOPLANKTON ANALYSES, OCTOBER 1979 TO JULY 1980

DATE TIME	JUN 5,80 1220	JUL 16,80 1330
TOTAL CELLS/ML	54000	790000
DIVERSITY: DIVISION	0.9	0.0
.CLASS	0.9	0.0
..ORDER	1.3	0.0
...FAMILY	2.1	0.2
....GENUS	2.5	0.5
		0.8

ORGANISM	CELLS /ML	PER-CENT	CELLS /ML	PER-CENT
CHLOROPHYTA (GREEN ALGAE)				
.CHLOROPHYCEAE				
..CHLOROCOCCALES				
...MICRACTINIACEAE				
....MICRACTINIUM	420	1	--	-
...OOCYSTACEAE				
....ANKISTRODESMUS	3000	6	--	-
....CHODATELLA	--	-	*	0
....KIRCHNERIELLA	690	1	--	-
....SELENASTRUM	*	0	--	-
...SCENEDESMACEAE				
....SCENEDESMUS	*	0	--	-
....TETRASTRUM	280	1	--	-
..VOLVOCALES				
...CHLAMYDOMONADACEAE				
....CHLAMYDOMONAS	280	1	*	0
CHRYSOPHYTA				
.BACILLARIOPHYCEAE				
..CENTRALES				
...COSCINODISCACEAE				
....CYCLOTELLA	1300	2	--	-
....MELOSIRA	830	2	--	-
..PENNALES				
...NITZSCHIACEAE				
....NITZSCHIA	1400	3	--	-
CYANOPHYTA (BLUE-GREEN ALGAE)				
.CYANOPHYCEAE				
..CHROOCOCCALES				
...CHROOCOCCACEAE				
....AGMENELLUM	--	-	4400	1
....ANACYSTIS	4300	8	21000	3
..HORMOGONALES				
...NOSTOCACEAE				
....ANABAENA	9700#	18	--	-
....ANABAENOPSIS	2500	5	6100	1
...OSCILLATORIACEAE				
....LYNGBYA	1700	3	41000	5
....OSCILLATORIA	27000#	50	690000#	87
...RIVULARIACEAE				
....RAPHIDIOPSIS	--	-	25000	3
EUGLENOPHYTA (EUGLENOIDS)				
.EUGLENOPHYCEAE				
..EUGLENALES				
...EUGLENACEAE				
....EUGLENA	*	0	--	-
....TRACHELOMONAS	420	1	--	-

NOTE: # - DOMINANT ORGANISM; EQUAL TO OR GREATER THAN 15%
* - OBSERVED ORGANISM, MAY NOT HAVE BEEN COUNTED; LESS THAN 1/2%

310355091411500 OLD RIVER OUTFLOW CHANNEL (KNOX LANDING) SOUTH OF BLACK HAWK, LA (CE 02600)

LOCATION.--Lat 31°03'55", long 91°41'15", Concordia Parish, Hydrologic Unit 08040301, at Corps of Engineers discharge range, 1.8 mi (2.9 km) above mouth, 5.5 mi (8.8 km) west of Old River Control Structure, and 5.6 miles (9.0 km) west of Knox Landing.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--Water years 1973-79.

PERIOD OF DAILY RECORD.--
SUSPENDED-SEDIMENT DISCHARGE.--June 1973 to September 1979.

COOPERATION.--Samples for suspended-sediment are collected by the Corps of Engineers and analyzed by the Geological Survey. Daily suspended-sediment discharge records are computed by the Geological Survey and reviewed by the Corps of Engineers.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SUSPENDED-SEDIMENT DISCHARGE: Maximum daily, 646,000 tons (586,000 tonnes) Apr. 6, 1978; minimum daily, 1,000 tons (907 tonnes) Oct. 3, 1976.

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY), WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	127000	22000	50000	261000	125000	74000	350000	254000	88000	40000	98000	76000
2	124000	19000	51000	244000	131000	96000	335000	248000	80000	40000	109000	80000
3	110000	18000	55000	207000	140000	117000	319000	241000	80000	46000	110000	86000
4	108000	21000	62000	185000	141000	126000	311000	229000	80000	48000	119000	89000
5	102000	22000	70000	174000	141000	161000	304000	219000	79000	48000	125000	100000
6	97000	23000	82000	157000	140000	179000	292000	211000	76000	46000	129000	110000
7	89000	25000	100000	153000	140000	192000	290000	202000	73000	44000	144000	114000
8	81000	25000	116000	149000	133000	204000	284000	193000	73000	45000	160000	114000
9	71000	23000	134000	153000	128000	227000	265000	182000	73000	47000	161000	117000
10	64000	23000	161000	154000	107000	254000	254000	173000	73000	46000	158000	117000
11	59000	21000	187000	154000	103000	254000	252000	167000	75000	47000	154000	121000
12	55000	19000	215000	162000	98000	262000	250000	168000	72000	51000	151000	116000
13	51000	18000	240000	172000	73000	285000	253000	166000	71000	59000	145000	110000
14	47000	16000	267000	173000	57000	306000	253000	166000	67000	68000	135000	103000
15	44000	15000	298000	173000	47000	331000	252000	162000	65000	72000	126000	92000
16	42000	15000	311000	175000	39000	345000	251000	159000	62000	77000	123000	90000
17	42000	15000	318000	177000	33000	379000	254000	160000	58000	81000	122000	87000
18	40000	14000	319000	180000	30000	407000	253000	153000	56000	85000	115000	84000
19	38000	15000	364000	179000	29000	422000	254000	150000	54000	94000	109000	77000
20	38000	16000	365000	173000	28000	450000	253000	150000	56000	102000	106000	72000
21	40000	17000	363000	171000	21000	470000	258000	152000	55000	106000	105000	75000
22	41000	20000	362000	164000	21000	466000	269000	151000	49000	106000	101000	76000
23	41000	18000	366000	146000	21000	476000	303000	148000	48000	106000	92000	81000
24	38000	20000	357000	132000	57000	477000	307000	142000	47000	106000	88000	87000
25	38000	23000	359000	123000	53000	473000	304000	140000	45000	104000	79000	105000
26	37000	28000	349000	117000	54000	471000	289000	131000	41000	106000	73000	112000
27	35000	33000	332000	108000	46000	458000	280000	131000	39000	108000	70000	112000
28	34000	38000	327000	109000	60000	446000	274000	128000	37000	103000	59000	110000
29	32000	42000	320000	108000	---	443000	264000	125000	39000	101000	60000	105000
30	29000	46000	296000	112000	---	368000	260000	115000	39000	99000	64000	100000
31	26000	---	284000	120000	---	383000	---	105000	---	94000	68000	---

310355091411500 OLD RIVER OUTFLOW CHANNEL (KNOX LANDING) SOUTH OF BLACK HAWK, LA (CE 02600)--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	INSTAN- TANEOUS DIS- CHARGE (CFS)	SUS- PENDED SEDI- MENT (MG/L)	SUS- PENDED SEDI- MENT DIS- CHARGE (T/DAY)	SUS. SED. SIEVE DIAM. % FINER THAN .062 MM
OCT				
05...	101000	374	102000	92
20...	61700	227	37800	90
NOV				
03...	55700	121	18200	95
17...	50600	111	15200	97
DEC				
01...	97700	189	49900	92
15...	190000	582	299000	79
JAN				
12...	190000	317	163000	87
26...	169000	256	117000	95
FEB				
09...	196000	243	129000	92
23...	49500	157	21000	97
MAR				
09...	225000	374	227000	90
23...	412000	428	476000	55
APR				
28...	477000	213	274000	82
MAY				
10...	385000	167	174000	83
25...	291000	179	141000	91
JUN				
07...	158000	171	72900	94
22...	122000	148	48800	97
JUL				
06...	125000	135	45600	96
20...	132000	286	102000	92
AUG				
17...	170000	266	122000	86
31...	141000	178	67800	74
SEP				
14...	171000	223	103000	84
28...	175000	234	111000	90

07384400 STATE CANAL NEAR KROTZ SPRINGS, LA

LOCATION.--Lat 30°33'55", long 91°49'55", in NW¼ sec.2, T.6 S., R.6 E., St. Landry Parish, Hydrologic Unit 08080101, at bridge on U.S. Highway 71, 1.7 mi (2.7 km) upstream from Slow Bayou, 2.0 mi (3.2 km) north of the junction of U.S. Highways 71 and 190, and 5.0 mi (8.0 km) northwest of town of Krotz Springs.

PERIOD OF RECORD.--Annual peaks, water years 1960-67, October 1967 to current year (gage heights only).

GAGE.--Water-stage recorder. Datum of gage is 2.55 ft (0.777 m) National Geodetic Vertical Datum of 1929. Crest-stage gage prior to 1967 at datum 2.55 ft (0.777 m) lower.

REMARKS.--No gage heights recorded below 9.96 ft (3.036 m).

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 20.64 ft (6.291 m) May 27, 1973; minimum not determined.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 18.63 ft (5.678 m) Apr. 15; minimum not determined.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
INSTANTANEOUS OBSERVATIONS AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13.75	11.57	15.04	14.17	15.45	14.31	18.03	16.77	16.63	12.09	10.60	---
2	14.00	11.50	14.89	13.89	15.24	15.09	18.24	16.66	16.34	11.85	10.57	---
3	14.00	11.63	14.72	14.03	15.04	15.38	18.38	16.57	16.02	11.56	10.53	---
4	13.94	12.02	14.53	14.13	14.82	15.40	18.36	16.45	15.67	11.27	10.48	---
5	13.81	12.27	14.30	14.00	14.59	15.35	18.29	16.33	15.34	11.04	10.45	---
6	13.63	12.35	14.03	13.93	14.47	15.15	18.21	16.20	15.04	10.82	10.43	---
7	13.44	12.26	13.84	13.90	14.26	14.86	18.13	16.07	14.75	10.60	10.38	---
8	13.25	12.11	13.68	13.88	14.07	14.64	18.03	15.93	14.48	10.39	10.34	---
9	13.07	11.94	13.54	14.83	14.41	14.39	17.93	15.79	14.21	10.27	10.28	9.97
10	13.43	11.88	13.42	15.16	15.31	14.13	17.83	15.62	13.97	10.21	10.28	9.99
11	12.96	11.78	13.23	16.24	15.71	13.91	17.74	15.47	13.74	10.19	10.32	10.02
12	12.77	11.67	13.10	16.07	16.19	13.75	17.94	15.29	13.53	10.20	10.33	10.09
13	12.56	11.93	13.15	16.87	16.20	13.58	18.35	15.10	13.33	10.17	10.28	10.11
14	12.37	12.30	14.17	16.85	16.16	13.43	18.50	14.90	13.15	10.14	10.18	10.09
15	12.21	12.30	15.51	16.83	16.11	13.29	18.61	14.72	12.99	10.06	10.11	10.05
16	12.23	12.17	15.81	16.76	16.06	13.21	18.62	15.76	12.83	---	10.05	10.00
17	12.28	11.97	15.78	16.89	16.00	13.22	18.57	17.01	12.57	---	9.99	---
18	12.20	11.83	15.69	16.91	15.86	14.20	18.50	17.20	12.31	---	9.98	---
19	12.12	11.73	15.54	16.85	15.60	14.38	18.40	17.29	12.09	---	10.01	---
20	12.07	11.57	15.36	16.76	15.41	14.41	18.28	17.38	12.25	---	9.98	---
21	11.97	11.48	15.16	16.62	15.16	14.66	18.14	17.37	12.83	---	9.96	---
22	11.89	11.39	15.00	16.44	14.88	14.98	18.01	17.61	13.07	---	---	---
23	11.98	11.52	14.86	16.46	14.63	15.16	17.88	17.67	13.08	---	---	---
24	11.87	12.37	14.99	16.48	14.39	15.33	17.70	17.64	13.66	9.99	---	---
25	11.82	13.82	15.38	---	14.16	15.42	17.52	17.57	13.68	10.15	---	---
26	12.00	14.42	15.56	---	13.93	15.33	17.44	17.45	13.59	10.28	---	---
27	12.08	15.23	15.51	---	13.77	15.48	17.30	17.35	13.17	10.41	---	---
28	12.02	15.30	15.30	16.31	13.65	16.93	17.16	17.38	12.90	10.48	---	---
29	11.92	15.29	15.02	16.15	13.46	17.39	17.01	17.27	12.63	10.53	---	---
30	11.79	15.18	14.71	15.92	---	17.71	16.89	17.11	12.34	10.56	---	---
31	11.70	---	14.43	15.67	---	17.89	---	16.89	---	10.57	---	---
MEAN	12.62	12.49	14.69	---	15.00	14.91	18.00	16.57	13.74	---	---	---
MAX	14.00	15.30	15.81	16.91	16.20	17.89	18.62	17.67	16.63	12.09	10.60	10.11
MIN	11.70	11.39	13.10	13.88	13.46	13.21	16.89	14.72	12.09	---	---	---

303159091512700 BAYOU COURTABLEAU WEST OF DRAINAGE STRUCTURE AT COURTABLEAU, LA

LOCATION.--Lat 30°31'59", long 91°51'27", in sec.16, T.6 S., R.6 E., St. Landry Parish, Hydrologic Unit 08080101, 6.0 mi (9.7 km) west (revised) of Krotz Springs, and 0.8 mi (1.3 km) southeast of Courtableau.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--Water years 1977 to current year.

COOPERATION.--Samples collected by Corps of Engineers and analyzed by Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	COLOR (PLAT-INUM COBALT UNITS)	TUR-BID-ITY (JTU)	SETTLE-ABLE MATTER (ML/L/HR)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, CHEM-ICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLI-FORM, TOTAL, IMMED. (COLS. PER 100 ML)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./100 ML)	HARD-NESS (MG/L AS CACO3)
OCT												
01...	0815	215	6.5	50	30	<1.0	4.3	34	--	K700	K30	44
NOV												
07...	0858	161	7.4	120	50	<1.0	4.9	49	4.6	--	--	59
30...	0815	189	6.5	100	55	<1.0	6.5	43	1.9	660	K100	43
JAN												
02...	0900	133	6.9	160	65	<1.0	7.6	35	3.4	350	K75	53
FEB												
01...	0825	116	7.0	80	75	<1.0	8.4	38	7.9	<100	--	41
29...	0815	175	7.1	60	35	<1.0	6.7	31	2.3	240	K44	62
MAR												
28...	0800	87	6.5	120	85	<1.0	8.1	41	--	7600	9000	34
APR												
25...	0800	96	6.8	20	35	<1.0	6.2	33	2.8	6000	960	42
MAY												
30...	0800	129	6.7	100	85	<1.0	3.9	25	4.0	--	--	51
JUN												
27...	0745	305	7.2	30	9	<1.0	8.9	27	3.1	K340	K76	120
AUG												
01...	0800	781	7.8	10	5	<1.0	5.4	19	4.4	K15	K5	290
SEP												
12...	0800	699	8.0	10	5	<1.0	--	36	--	K240	<20	250

DATE	HARD-NESS, NONCAR-BONATE (MG/L CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM AD-SORP-TION RATIO	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	BICAR-BONATE (MG/L AS HCO3)	CAR-BONATE (MG/L AS CO3)	ALKA-LINITY (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)
OCT												
01...	13	9.1	5.1	21	48	1.4	4.2	38	0	31	14	37
NOV												
07...	0	15	5.3	6.0	22	.3	6.0	76	0	62	11	7.3
30...	12	8.9	5.1	17	57	1.1	4.1	38	0	31	8.0	29
JAN												
02...	5	13	5.1	5.6	17	.3	3.6	59	0	48	7.7	7.3
FEB												
01...	0	10	3.9	5.4	21	.4	2.5	52	0	43	5.2	6.7
29...	0	15	5.9	8.2	22	.5	2.2	77	0	63	6.8	11
MAR												
28...	2	8.0	3.3	3.3	16	.2	2.3	39	0	32	2.1	4.4
APR												
25...	3	11	3.6	3.1	13	.2	2.4	48	0	39	6.0	2.8
MAY												
30...	5	12	5.0	6.2	20	.4	2.7	56	0	46	5.9	7.3
JUN												
27...	5	30	11	15	21	.6	3.6	140	0	115	4.4	19
AUG												
01...	28	72	27	50	27	1.3	5.4	320	0	262	36	73
SEP												
12...	5	64	23	41	26	1.1	4.2	323	0	260	20	57

< Actual value is known to be less than the value shown.

K Results based on colony count outside the acceptable range (non-ideal count).

303159091512700 BAYOU COURTABLEAU WEST OF DRAINAGE STRUCTURE AT COURTABLEAU, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC DIS. (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC SUS-PENDED TOTAL (UG/L AS AS)	ARSENIC DIS-SOLVED (UG/L AS AS)	BERYL-LIUM, TOTAL RECOV-ERABLE (UG/L AS BE)	BERYL-LIUM, DIS-SOLVFD (UG/L AS BE)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)
OCT												
01...	50	.04	.02	.06	.89	.160	3	1	2	0	<1	0
NOV												
07...	80	.11	.03	.14	1.3	.410	5	2	3	0	<1	10
30...	50	.15	.03	.18	1.2	.260	2	1	1	0	<1	0
JAN												
02...	59	.05	.08	.13	.92	.310	3	1	2	0	<1	0
FEB												
01...	52	.00	.10	.10	.63	.130	1	0	1	0	<1	0
29...	28	.13	.03	.16	.51	.130	2	1	1	0	<1	0
MAR												
28...	136	.15	.04	.19	.89	.320	3	2	1	0	<1	1
APR												
25...	43	.01	.02	.03	.91	.310	4	1	3	0	<1	0
MAY												
30...	10	.17	.04	.21	--	.280	3	0	3	0	<1	0
JUN												
27...	25	.02	.01	.03	.72	.230	6	0	6	0	<1	0
AUG												
01...	12	.03	.00	.03	.62	.140	7	0	7	0	<1	0
SEP												
12...	6	.00	.01	.01	.97	.170	6	0	6	0	<1	0

DATE	CADMIUM SUS-PENDED RECOV-ERABLE (UG/L AS CD)	CADMIUM DIS-SOLVED (UG/L AS CD)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR)	CHRO-MIUM, HEXA-VALENT, DIS. (UG/L AS CR)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	COPPER, SUS-PENDED RECOV-ERABLE (UG/L AS CU)	COPPER, DIS-SOLVED (UG/L AS CU)	IRON, DIS-SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	LEAD, SUS-PENDED RECOV-ERABLE (UG/L AS PB)	LEAD, DIS-SOLVED (UG/L AS PB)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)
OCT												
01...	--	1	10	0	24	5	19	200	71	55	16	.0
NOV												
07...	7	3	10	0	11	3	8	160	33	29	4	.7
30...	--	<1	10	0	5	--	7	320	5	5	0	.0
JAN												
02...	--	<1	0	0	3	3	0	330	6	6	0	.0
FEB												
01...	--	<1	0	0	7	4	3	150	9	9	0	.1
29...	--	<1	0	0	7	6	1	110	9	9	0	.0
MAR												
28...	0	1	0	0	10	6	4	130	7	7	0	.0
APR												
25...	--	<1	0	1	6	0	6	200	3	1	2	.2
MAY												
30...	--	1	0	0	11	3	8	170	7	7	0	.1
JUN												
27...	--	<1	0	0	7	4	3	50	6	6	0	.0
AUG												
01...	--	<1	0	0	15	12	3	10	6	6	0	.0
SEP												
12...	--	<1	0	0	4	3	1	10	3	2	1	.0

< Actual value is known to be less than the value shown.

303159091512700 BAYOU COURTABLEAU WEST OF DRAINAGE STRUCTURE AT COURTABLEAU, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	MERCURY SUS-PENDED RECOV-ERABLE (UG/L AS HG)	MERCURY DIS-SOLVED (UG/L AS HG)	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI)	NICKEL, SUS-PENDED RECOV-ERABLE (UG/L AS NI)	NICKEL, DIS-SOLVED (UG/L AS NI)	SELE-NIUM, TOTAL (UG/L AS SE)	SELE-NIUM, SUS-PENDED TOTAL (UG/L AS SE)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)	VANA-DIUM, DIS-SOLVED (UG/L AS V)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)	ZINC, SUS-PENDED RECOV-ERABLE (UG/L AS ZN)	ZINC, DIS-SOLVED (UG/L AS ZN)
OCT												
01...	.0	.0	1	--	2	0	0	0	2.0	60	20	40
NOV												
07...	.7	.0	6	1	5	0	0	0	1.0	190	110	80
30...	.0	.0	7	5	2	0	0	0	1.0	10	1	9
JAN												
02...	.0	.0	3	3	0	0	0	0	.0	50	30	20
FEB												
01...	.1	.0	3	3	0	0	0	0	1.0	170	130	40
29...	.0	.0	7	4	3	0	0	0	.0	100	100	5
MAR												
28...	.0	.0	7	3	4	0	0	0	2.0	30	30	<3
APR												
25...	.2	.0	8	7	1	0	0	0	2.0	80	70	10
MAY												
30...	.1	.0	6	6	0	0	0	0	3.0	50	30	20
JUN												
27...	.0	.0	6	4	2	0	0	0	2.0	40	40	<3
AUG												
01...	.0	.0	3	3	0	0	0	0	3.0	40	40	5
SEP												
12...	.0	.0	6	5	1	0	0	0	4.0	70	70	<3

DATE	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	OIL AND GREASE, TOTAL RECOV. GRAVI-METRIC (MG/L)	PCB, TOTAL (UG/L)	NAPH-THA-LENES, POLY-CHLOR. TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	CHLOR-DANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)	DDE, TOTAL (UG/L)	DDT, TOTAL (UG/L)
OCT											
01...	--	.00	5	0	.0	.00	.000	.0	.000	.000	.000
NOV											
07...	15	.00	5	0	.0	.00	.000	.0	.000	.000	.000
30...	12	.00	3	0	.0	.00	.000	.0	.000	.000	.000
JAN											
02...	11	.00	0	0	.0	.00	.000	.0	.000	.000	.000
FEB											
01...	12	.00	7	0	.0	.00	.000	.0	.000	.000	.000
29...	9.5	.00	0	3	.0	.00	.000	.0	.000	.000	.000
MAR											
28...	13	.00	2	0	.0	.00	.000	.0	.000	.000	.000
APR											
25...	12	.00	2	0	.0	.00	.000	.0	.000	.000	.004
MAY											
30...	11	.00	6	0	.0	.00	.000	.0	.000	.000	.000
JUN											
27...	10	.00	9	0	.0	.00	.000	.0	.000	.000	.000
AUG											
01...	8.0	.00	6	0	.0	.00	.000	.0	.000	.000	.000
SEP											
12...	8.4	.01	3	0	.0	.00	.000	.0	.000	.000	.000

< Actual value is known to be less than the value shown.

303159091512700 BAYOU COURTABLEAU WEST OF DRAINAGE STRUCTURE AT COURTABLEAU, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	DI-AZINON, TOTAL (UG/L)	DI-ELDRIN TOTAL (UG/L)	ENDO-SULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ETHION, TOTAL (UG/L)	HEPTA-CHLOR, TOTAL (UG/L)	HEPTA-CHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MALA-THION, TOTAL (UG/L)	METH-OXY-CHLOR, TOTAL (UG/L)	METHYL PARA-THION, TOTAL (UG/L)
OCT											
01...	1.8	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
NOV											
07...	.02	.006	.000	.000	.00	.000	.000	.000	.00	.00	.02
30...	.00	.005	.000	.000	.00	.000	.000	.000	.00	.00	.00
JAN											
02...	.01	.003	.000	.000	.00	.000	.000	.000	.00	.00	.00
FEB											
01...	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
29...	.00	.002	.000	.000	.00	.000	.000	.000	.00	.00	.00
MAR											
28...	.00	.007	.000	.006	.00	.000	.000	.000	.00	.00	.00
APR											
25...	.02	.002	.000	.000	.00	.000	.000	.000	.00	.00	.00
MAY											
30...	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
JUN											
27...	.01	.001	.000	.000	.00	.000	.000	.000	.00	.00	.00
AUG											
01...	.00	.001	.000	.000	.00	.000	.000	.000	.00	.00	.00
SEP											
12...	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.07

DATE	METHYL TRI-THION, TOTAL (UG/L)	MIREX, TOTAL (UG/L)	PARA-THION, TOTAL (UG/L)	PER-THANE TOTAL (UG/L)	TOX-APHENE, TOTAL (UG/L)	TOTAL TRI-THION (UG/L)	2,4-D, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)
OCT											
01...	.00	.00	.00	.00	.0	.00	.19	.00	.00	1.33	.000
NOV											
07...	.00	.02	.00	.00	.0	.00	.28	.01	.00	1.47	.000
30...	.00	.00	.00	.00	.0	.00	.03	.00	.00	.000	.000
JAN											
02...	.00	.00	.00	.00	.0	.00	.18	.00	.00	.000	.000
FEB											
01...	.00	.00	.00	.00	.0	.00	.09	.00	.00	.000	.000
29...	.00	.00	.00	.00	.0	.00	.01	.00	.00	19.7	.000
MAR											
28...	.00	.00	.00	.00	.0	.00	.03	.00	.00	.000	.000
APR											
25...	.00	.00	.00	.00	.0	.00	.09	.00	.03	22.7	1.96
MAY											
30...	.00	.00	.00	.00	.0	.00	.02	.00	.00	--	--
JUN											
27...	.00	.00	.00	.00	.0	.00	.18	.03	.00	19.9	5.85
AUG											
01...	.00	.00	.00	.00	.0	.00	.01	.00	.00	15.6	.000
SEP											
12...	.00	.00	.00	.00	.0	.00	.05	.06	.00	12.7	2.48

303159091512300 BAYOU COURTABLEAU EAST OF DRAINAGE STRUCTURE AT COURTABLEAU, LA

LOCATION.--Lat 30°31'59", long 91°51'23", in sec.16, T.6 S., R.6 E., St. Landry Parish, Hydrologic Unit 08080101, 6.0 mi (9.7 km) west (revised) of Krotz Springs, and 0.8 mi (1.3 km) southeast of Courtableau.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--Water years 1977 to current year.

COOPERATION.--Samples collected by Corps of Engineers and analyzed by Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	COLOR (PLATINUM COBALT UNITS)	TURBIDITY (JTU)	SETTLEABLE MATTER (ML/L/HR)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLIFORM, TOTAL, IMMED. (COLS. PER 100 ML)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	HARDNESS (MG/L AS CACO3)
OCT 01...	0830	90	6.6	50	30	<1.0	4.4	32	--	K600	K30	32
NOV 07...	0926	164	7.2	120	35	<1.0	4.7	56	4.4	--	--	62
30...	0800	99	6.6	100	50	<1.0	6.5	47	1.9	580	K170	36
JAN 02...	0930	135	6.7	160	65	<1.0	7.4	35	1.4	K500	140	54
FEB 01...	0852	113	6.9	100	75	<1.0	8.5	39	2.5	--	--	41
29...	0800	192	7.1	60	35	<1.0	6.8	31	1.3	560	96	68
MAR 28...	0740	86	6.5	80	85	<1.0	8.6	58	--	6400	11000	34
APR 25...	0740	100	6.9	20	35	<1.0	6.0	35	2.6	7600	980	43
MAY 30...	0815	135	6.6	100	80	<1.0	3.6	30	2.5	--	--	52
JUN 27...	0730	305	7.2	30	10	<1.0	9.0	30	4.2	420	92	110
AUG 01...	0830	783	7.8	5	9	<1.0	3.2	41	3.0	K35	<5	300
SEP 12...	0830	707	7.9	10	7	<1.0	--	31	--	120	K76	270

DATE	HARDNESS, NONCARBONATE (MG/L CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM ADSORPTION RATIO	POTASSIUM, DISSOLVED (MG/L AS K)	BICARBONATE (MG/L AS HCO3)	CARBONATE (MG/L AS CO3)	ALKALINITY (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)
OCT 01...	0	8.2	2.9	3.1	16	.2	3.4	40	0	33	10	3.4
NOV 07...	3	15	5.9	8.1	28	.4	6.5	72	0	59	13	11
30...	4	8.3	3.8	4.6	28	.3	3.5	39	0	32	6.4	6.7
JAN 02...	6	13	5.2	5.8	18	.3	2.5	58	0	48	8.2	7.2
FEB 01...	0	10	3.9	4.9	19	.3	2.4	50	0	41	5.5	5.8
29...	0	17	6.3	8.4	20	.4	2.3	85	0	70	8.3	11
MAR 28...	1	8.2	3.3	3.9	19	.3	2.4	40	0	33	3.1	5.5
APR 25...	0	11	3.7	3.0	12	.2	2.4	49	0	40	2.7	3.6
MAY 30...	4	12	5.3	5.3	17	.3	2.5	58	0	48	5.6	6.7
JUN 27...	1	29	10	13	19	.5	3.8	137	0	112	3.8	17
AUG 01...	32	74	27	49	26	1.2	5.3	322	0	264	36	71
SEP 12...	5	68	25	45	26	1.2	4.4	326	0	267	20	62

< Actual value is known to be less than the value shown.

K Results based on colony count outside the acceptable range (non-ideal count).

303159091512300 BAYOU COURTABLEAU EAST OF DRAINAGE STRUCTURE AT COURTABLEAU, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC SUSPENDED TOTAL (UG/L AS AS)	ARSENIC DISSOLVED (UG/L AS AS)	BERYLLIUM, TOTAL RECOVERABLE (UG/L AS BE)	BERYLLIUM, DISSOLVED (UG/L AS BE)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)
OCT												
01...	42	.06	.02	.08	1.4	.000	3	0	3	0	<1	0
NOV												
07...	68	.12	.03	.15	1.5	.400	5	2	3	0	<1	14
30...	70	.26	.04	.30	1.3	.270	2	0	2	0	<1	0
JAN												
02...	50	.07	.08	.15	.93	.250	3	1	2	0	<1	0
FEB												
01...	20	.03	.10	.13	1.0	.110	1	0	1	0	<1	0
29...	42	.19	.03	.22	.49	.150	2	1	1	0	<1	0
MAR												
28...	138	.16	.04	.20	1.1	.340	2	1	1	0	<1	1
APR												
25...	25	.04	.02	.06	.99	.360	4	1	3	0	<1	0
MAY												
30...	8	.17	.05	.22	.74	.270	4	1	3	0	<1	0
JUN												
27...	16	.12	.00	.12	1.1	.240	6	1	5	0	<1	0
AUG												
01...	24	.03	.00	.03	.74	.170	8	1	7	0	<1	0
SEP												
12...	16	.00	.01	.01	1.4	.230	7	1	6	0	<1	0

DATE	CADMIUM SUSPENDED RECOVERABLE (UG/L AS CD)	CADMIUM DISSOLVED (UG/L AS CD)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)	CHROMIUM, HEXAVALENT, DIS. (UG/L AS CR)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	COPPER, SUSPENDED RECOVERABLE (UG/L AS CU)	COPPER, DISSOLVED (UG/L AS CU)	IRON, DISSOLVED (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	LEAD, SUSPENDED RECOVERABLE (UG/L AS PB)	LEAD, DISSOLVED (UG/L AS PB)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)
OCT												
01...	--	<1	0	0	3	--	5	210	6	6	0	.1
NOV												
07...	11	3	10	0	--	--	42	180	26	22	4	.4
30...	--	<1	0	0	9	1	8	370	4	4	0	.0
JAN												
02...	--	<1	0	0	2	1	1	370	13	11	2	.1
FEB												
01...	--	<1	0	0	6	1	5	130	6	6	0	.0
29...	--	<1	0	0	7	6	1	90	10	10	0	.0
MAR												
28...	0	1	0	0	8	3	5	180	8	8	0	.0
APR												
25...	--	<1	0	0	10	4	6	120	8	7	1	.5
MAY												
30...	--	1	0	0	11	6	5	190	7	7	0	.1
JUN												
27...	--	<1	0	0	11	--	14	50	3	3	0	.1
AUG												
01...	--	<1	0	0	9	8	1	10	4	4	0	.0
SEP												
12...	--	<1	0	0	5	3	2	10	0	0	0	.0

< Actual value is known to be less than the value shown.

303159091512300 BAYOU COURTABLEAU EAST OF DRAINAGE STRUCTURE AT COURTABLEAU, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	MERCURY SUS-PENDED RECOV-ERABLE (UG/L AS HG)	MERCURY DIS-SOLVED (UG/L AS HG)	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI)	NICKEL, SUS-PENDED RECOV-ERABLE (UG/L AS NI)	NICKEL, DIS-SOLVED (UG/L AS NI)	SELE-NIUM, TOTAL (UG/L AS SE)	SELE-NIUM, SUS-PENDED TOTAL (UG/L AS SE)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)	VANA-DIUM, DIS-SOLVED (UG/L AS V)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)	ZINC, SUS-PENDED RECOV-ERABLE (UG/L AS ZN)	ZINC, DIS-SOLVED (UG/L AS ZN)
OCT												
01...	.1	.0	0	--	3	0	0	0	3.0	20	0	20
NOV												
07...	.4	.0	7	1	6	0	0	0	2.0	220	110	110
30...	.0	.0	7	7	0	0	0	0	1.0	20	10	9
JAN												
02...	.1	.0	4	4	0	0	0	0	0	90	70	20
FEB												
01...	.0	.0	2	2	0	0	0	0	1.0	50	30	20
29...	.0	.0	6	6	0	0	0	0	0	50	50	4
MAR												
28...	.0	.0	6	2	4	0	0	0	2.0	30	30	<3
APR												
25...	.5	.0	10	10	0	0	0	0	2.0	120	90	30
MAY												
30...	.1	.0	6	5	1	0	0	0	3.0	80	60	20
JUN												
27...	.1	.0	8	5	3	0	0	0	3.0	50	50	4
AUG												
01...	.0	.0	2	2	0	0	0	0	3.0	30	30	<3
SEP												
12...	.0	.0	5	3	2	0	0	0	3.0	20	20	<3

DATE	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	OIL AND GREASE, TOTAL RECOV, GRAVI-METRIC (MG/L)	PCB, TOTAL (UG/L)	NAPH-THA-LENES, POLY-CHLOR, TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	CHLOR-DANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)	DDE, TOTAL (UG/L)	DDT, TOTAL (UG/L)
OCT											
01...	--	.00	1	0	.0	.00	.000	.0	.000	.000	.000
NOV											
07...	15	.00	1	0	.0	.00	.000	.0	.000	.000	.000
30...	12	.00	2	0	.0	.00	.000	.0	.000	.000	.000
JAN											
02...	12	.00	1	0	.0	.00	.000	.0	.000	.000	.000
FEB											
01...	13	.00	1	0	.0	.00	.000	.0	.000	.000	.000
29...	9.3	.00	4	3	.0	.00	.000	.0	.000	.000	.004
MAR											
28...	13	.00	0	0	.0	.00	.000	.0	.000	.000	.000
APR											
25...	14	.00	2	0	.0	.00	.000	.0	.000	.000	.000
MAY											
30...	12	.00	3	0	.0	.00	.000	.0	.004	.000	.005
JUN											
27...	11	.00	5	0	.0	.00	.000	.0	.000	.000	.000
AUG											
01...	13	.00	12	0	.0	.00	.000	.0	.000	.000	.000
SEP											
12...	12	.01	2	0	.0	.00	.000	.0	.000	.000	.000

< Actual value is known to be less than the value shown.

303159091512300 BAYOU COURTABLEAU EAST OF DRAIANGE STRUCTURE AT COURTABLEAU, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	DI-AZINON, TOTAL (UG/L)	DI-ELDRIN TOTAL (UG/L)	ENDO-SULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ETHION, TOTAL (UG/L)	HEPTA-CHLOR, TOTAL (UG/L)	HEPTA-CHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MALA-THION, TOTAL (UG/L)	METH-OXY-CHLOR, TOTAL (UG/L)	METHYL PARA-THION, TOTAL (UG/L)
OCT											
01...	.91	.000	.000	.000	.00	.000	.000	.000	.00	.00	.08
NOV											
07...	.00	.007	.000	.000	.00	.000	.000	.000	.00	.00	.02
30...	.00	.003	.000	.000	.00	.000	.000	.000	.00	.00	.00
JAN											
02...	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
FEB											
01...	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
29...	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
MAR											
28...	.00	.007	.000	.000	.00	.000	.000	.000	.00	.00	.00
APR											
25...	.01	.002	.000	.000	.00	.000	.000	.000	.00	.00	.00
MAY											
30...	.01	.006	.000	.001	.00	.000	.000	.000	.00	.00	.00
JUN											
27...	.02	.001	.000	.000	.00	.000	.000	.000	.00	.00	.00
AUG											
01...	.00	.001	.000	.000	.00	.000	.000	.000	.00	.00	.00
SEP											
12...	.00	.002	.000	.000	.00	.000	.000	.000	.00	.00	.03

DATE	METHYL TRI-THION, TOTAL (UG/L)	MIREX, TOTAL (UG/L)	PARA-THION, TOTAL (UG/L)	PER-THANE TOTAL (UG/L)	TOX-APHENE, TOTAL (UG/L)	TOTAL TRI-THION (UG/L)	2,4-D, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)
OCT											
01...	.00	.00	.00	.00	.0	.00	.18	.00	.00	.990	.000
NOV											
07...	.00	.02	.00	.00	.0	.00	.28	.01	.00	1.48	.000
30...	.00	.00	.00	.00	.0	.00	.04	.00	.00	.000	.000
JAN											
02...	.00	.00	.00	.00	.0	.00	.03	.00	.00	.000	.000
FEB											
01...	.00	.00	.00	.00	.0	.00	.06	.00	.00	.000	.000
29...	.00	.00	.00	.00	.0	.00	.01	.00	.00	22.0	.000
MAR											
28...	.00	.00	.00	.00	.0	.00	.03	.00	.01	.000	.000
APR											
25...	.00	.00	.00	.00	.0	.00	.24	.01	.01	28.6	4.80
MAY											
30...	.00	.00	.00	.00	.0	.00	.04	.00	.00	--	--
JUN											
27...	.00	.00	.00	.00	.0	.00	.13	.02	.00	13.9	3.66
AUG											
01...	.00	.00	.00	.00	.0	.00	.00	.00	.00	18.8	2.19
SEP											
12...	.00	.00	.00	.00	.0	.00	.06	.07	.00	12.7	2.48

303200091511900 BAYOU COURTABLEAU OUTLET CHANNEL NEAR COURTABLEAU, LA

LOCATION.--Lat 30°32'00", long 91°51'19", in NW¼ sec.15, T.6 S., R.6 E., St. Landry Parish, Hydrologic Unit 08080101, 1.0 mi (1.6 km) south of U.S. Highway 190, 1.0 mi (1.6 km) southeast of Courtableau.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--March 1980 to August 1980 (discontinued).

COOPERATION.--Samples collected by the Corps of Engineers and analyzed by the Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	COLOR (PLAT-INUM COBALT UNITS)	TUR-BID-ITY (JTU)	SETTLE-ABLE MATTER (ML/L/HR)	HARD-NESS (MG/L AS CACO3)	HARD-NESS, NONCAR-BONATE (MG/L CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	SODIUM PERCENT
MAR 05...	0810	111	6.5	20	100	<1.0	42	5	10	4.2	6.0	22
APR 02...	0810	90	7.1	--	--	<1.0	30	7	7.0	3.0	5.1	25
MAY 07...	0830	137	6.8	120	100	<1.0	56	4	14	5.2	6.3	19
JUN 05...	0725	174	6.2	60	25	<1.0	67	2	17	6.0	6.2	16
JUL 09...	0800	360	7.7	40	20	<1.0	--	--	--	--	--	--
AUG 13...	0730	693	7.6	15	10	<1.0	250	6	63	23	45	27

DATE	SODIUM AD-SORP-TION RATIO	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	BICAR-BONATE (MG/L AS HCO3)	CAR-BONATE (MG/L AS CO3)	ALKA-LINITY (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)	SOLIDS, NON-VOLA-TILE, SUS-PENDED (MG/L)	SOLIDS, VOLA-TILE, SUS-PENDED (MG/L)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRATE DIS-SOLVED (MG/L AS N)
MAR 05...	.4	2.3	46	0	38	7.2	12	63	--	--	.14	.12
APR 02...	.4	2.3	28	0	23	2.3	5.9	46	42	4	.13	.07
MAY 07...	.4	2.5	64	0	52	11	9.7	--	--	--	.18	.25
JUN 05...	.3	3.0	79	0	65	3.7	8.2	17	16	1	.00	.01
JUL 09...	--	2.9	166	0	136	--	--	25	24	1	.00	.00
AUG 13...	1.2	5.0	300	0	246	27	62	--	--	--	.00	.00

DATE	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N)	NITRO-GEN,NH4 TOTAL IN BOT. MAT. (MG/KG AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS NH4)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS NH4)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, ORGANIC DIS-SOLVED (MG/L AS N)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N)
MAR 05...	.04	.03	.18	.15	.15	.03	.0	.18	.04	1.1	.97	1.2
APR 02...	.05	.03	.18	.10	.11	.07	11	.13	.09	.86	.49	.97
MAY 07...	.05	.02	.23	.27	.22	.13	51	.27	.17	1.7	1.5	1.9
JUN 05...	.03	.01	.03	.02	.25	.09	55	.30	.12	1.7	.80	1.9
JUL 09...	.00	.00	.00	.00	--	.09	7.5	--	.12	--	.91	1.2
AUG 13...	.00	.02	.00	.02	.14	.08	40	.17	.10	1.3	.60	1.4

< Actual value is known to be less than the value shown.

303200091511900 BAYOU COURTABLEAU OUTLET CHANNEL NEAR COURTABLEAU, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	NITRO-GEN,NH4 + ORG. SUSP. TOTAL (MG/L AS N)	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N)	NITRO-GEN,NH4 + ORG. TOT IN BOT MAT (MG/KG AS N)	NITRO-GEN, TOTAL (MG/L AS N)	NITRO-GEN, DIS-SOLVED (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS NO3)	PHOS-PHORUS, TOTAL (MG/L AS P)	PHOS-PHORUS, ORTHOPH OSPHATE TOTAL (MG/L AS PO4)	PHOS-PHORUS, TOTAL (MG/L AS PO4)	PHOS-PHORUS, DIS-SOLVED (MG/L AS P)	PHOS-PHORUS, ORTHOPH OSPHATE TOTAL (MG/L AS P)	PHOS-PHORUS, ORTHOPH OSPHATE DISSOL. (MG/L AS P)
MAR												
05...	.20	1.0	1530	1.4	1.2	6.1	--	.55	--	.070	.18	.03
APR												
02...	.41	.56	213	1.2	.66	5.1	.230	.58	.71	.080	.19	.03
MAY												
07...	.30	1.6	576	2.1	1.9	9.4	.300	.64	.92	--	.21	.11
JUN												
05...	1.0	.89	550	1.9	.91	8.5	.210	.61	.64	.090	.20	.05
JUL												
09...	.20	1.0	9.0	1.2	1.0	5.3	.190	.31	.58	.070	.10	.04
AUG												
13...	.64	.76	920	1.4	.77	6.2	.170	.31	.52	.120	.10	.09

DATE	PHOS-PHORUS, ORTHOPH OSPHATE DISSOL. (MG/L AS PO4)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC SUS-PENDED TOTAL (UG/L AS AS)	ARSENIC DIS-SOLVED (UG/L AS AS)	ARSENIC TOTAL IN BOT-TOM MA-TERIAL (UG/G AS AS)	BERYL-LIUM, TOTAL RECOV-ERABLE (UG/L AS BE)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE)	BERYL-LIUM, RECOV. FM BOT-TOM MA-TERIAL (UG/G)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)	CADMIUM SUS-PENDED RECOV-ERABLE (UG/L AS CD)	CADMIUM DIS-SOLVED (UG/L AS CD)	CADMIUM RECOV. FM BOT-TOM MA-TERIAL (UG/G AS CD)
MAR												
05...	.09	2	0	2	32	0	<1	1	9	--	<1	.18
APR												
02...	.09	2	2	0	35	0	0	1	1	1	0	.14
MAY												
07...	.34	4	2	2	21	0	<1	1	0	--	<1	.04
JUN												
05...	.15	4	1	3	46	0	<1	1	0	--	<1	.15
JUL												
09...	.12	4	2	2	13	0	<1	1	0	--	<1	.09
AUG												
13...	.28	6	0	6	8	0	<1	0	0	--	<1	.21

DATE	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR)	CHRO-MIUM, SUS-PENDED RECOV. (UG/L AS CR)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR)	CHRO-MIUM, RECOV. FM BOT-TOM MA-TERIAL (UG/G)	CHRO-MIUM, HEXA-VALENT, DIS. (UG/L AS CR)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	COPPER, SUS-PENDED RECOV-ERABLE (UG/L AS CU)	COPPER, DIS-SOLVED (UG/L AS CU)	COPPER, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS CU)	IRON, DIS-SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	LEAD, SUS-PENDED RECOV-ERABLE (UG/L AS PB)
MAR												
05...	0	0	0	10	0	8	4	4	31	180	3	3
APR												
02...	0	0	0	10	0	2	0	2	27	180	5	5
MAY												
07...	0	0	0	10	0	8	5	3	28	160	7	6
JUN												
05...	0	0	0	11	0	5	2	3	30	80	0	0
JUL												
09...	10	0	10	12	0	3	0	3	25	360	20	20
AUG												
13...	0	0	0	5	0	4	--	5	14	10	6	5

< Actual value is known to be less than the value shown.

303200091511900 BAYOU COURTABLEAU OUTLET CHANNEL NEAR COURTABLEAU, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	LEAD, DIS- SOLVED (UG/L AS PB)	LEAD, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS PB)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	MANGA- NESE, SUS- PENDED RECOV. (UG/L AS MN)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MANGA- NESE, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	MERCURY SUS- PENDED RECOV- ERABLE (UG/L AS HG)	MERCURY DIS- SOLVED (UG/L AS HG)	MERCURY RECOV. FM BOT- TOM MA- TERIAL (UG/G AS HG)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI)	NICKEL, SUS- PENDED RECOV- ERABLE (UG/L AS NI)
MAR												
05...	0	10	80	60	20	860	.0	.0	.0	.04	4	3
APR												
02...	0	0	100	80	20	1500	.0	.0	.0	.05	6	6
MAY												
07...	1	20	180	120	60	680	.0	.0	.0	.07	7	3
JUN												
05...	0	40	120	120	4	1600	.1	.1	.0	.06	5	--
JUL												
09...	0	20	330	190	140	1400	.0	.0	.0	.05	2	--
AUG												
13...	1	10	220	180	40	380	.1	.1	.0	.05	0	0

DATE	NICKEL, DIS- SOLVED (UG/L AS NI)	NICKEL, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS NI)	SELE- NIUM, TOTAL (UG/L AS SE)	SELE- NIUM, SUS- PENDED TOTAL (UG/L AS SE)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	SELE- NIUM, TOTAL IN BOT- TOM MA- TERIAL (UG/G)	VANA- DIUM, DIS- SOLVED (UG/L AS V)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	ZINC, SUS- PENDED RECOV- ERABLE (UG/L AS ZN)	ZINC, DIS- SOLVED (UG/L AS ZN)	ZINC, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS ZN)
MAR											
05...	1	30	0	0	0	.0	1.0	30	30	<3	68
APR											
02...	0	30	0	0	0	.0	1.0	20	10	10	67
MAY											
07...	4	30	0	0	0	1	3.0	20	20	<3	60
JUN											
05...	9	30	0	0	0	.0	3.0	20	10	6	80
JUL											
09...	5	30	0	0	0	.0	2.0	30	20	10	62
AUG											
13...	0	10	0	0	0	.0	4.5	20	20	4	30

DATE	PCB, TOTAL (UG/L)	PCB, DIS- SOLVED (UG/L)	PCB, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	NAPH- THA- LENES, POLY- CHLOR. TOTAL (UG/L)	PCN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ALDRIN, TOTAL (UG/L)	ALDRIN, DIS- SOLVED (UG/L)	ALDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	CHLOR- DANE, TOTAL (UG/L)	CHLOR- DANE, DIS- SOLVED (UG/L)	CHLOR- DANE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
MAR											
05...	.0	.0	3	.00	.0	.000	.000	.0	.0	.0	0
APR											
02...	.0	.1	2	.00	.0	.000	.000	.0	.0	.0	4
MAY											
07...	.0	.2	0	.00	.0	.000	.000	.0	.0	.0	0
JUN											
05...	.0	.2	0	.00	.0	.000	.000	.0	.0	.0	3
JUL											
09...	.0	.0	0	.00	.0	.000	.000	.0	.0	.0	0
AUG											
13...	.0	.0	3	.00	.0	.000	.000	.0	.0	.0	5

< Actual value is known to be less than the value shown.

303200091511900 BAYOU COURTABLEAU OUTLET CHANNEL NEAR COURTABLEAU, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	DDD, TOTAL (UG/L)	DDD, DIS-SOLVED (UG/L)	DDD, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	DDE, TOTAL (UG/L)	DDE, DIS-SOLVED (UG/L)	DDE, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	DDT, TOTAL (UG/L)	DDT, DIS-SOLVED (UG/L)	DDT, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	DI-AZINON, TOTAL (UG/L)	DI-AZINON, DIS-SOLVED (UG/L)	DI-AZINON, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)
MAR												
05...	.004	.000	3.9	.000	.000	10	.010	.001	.0	.00	.52	.0
APR												
02...	.000	.001	4.1	.000	.000	6.0	.007	.003	.0	.00	.10	.0
MAY												
07...	.000	.000	2.6	.000	.000	3.5	.000	.000	2.1	.00	.05	.0
JUN												
05...	.000	.000	9.5	.000	.000	9.4	.000	.003	1.4	.00	.90	.0
JUL												
09...	.002	.000	.6	.000	.000	.2	.000	.000	.2	.00	.04	.0
AUG												
13...	.000	.000	14	.000	.000	13	.000	.000	2.9	.00	.00	.0

DATE	DI-ELDRIN TOTAL (UG/L)	DI-ELDRIN DIS-SOLVED (UG/L)	DI-ELDRIN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	ENDO-SULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ENDRIN, DIS-SOLVED (UG/L)	ENDRIN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	ETHION, TOTAL (UG/L)	ETHION, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	HEPTA-CHLOR, TOTAL (UG/L)	HEPTA-CHLOR, DIS-SOLVED (UG/L)	HEPTA-CHLOR, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)
MAR												
05...	.010	.004	.0	.000	.000	.000	.0	.00	.0	.000	.000	.0
APR												
02...	.007	.008	.1	.000	.000	.000	.0	.00	.0	.000	.000	.0
MAY												
07...	.000	.007	.2	.000	.000	.000	.0	.00	.0	.000	.000	.0
JUN												
05...	.003	.000	.2	.000	.000	.000	.0	.00	.0	.000	.000	.0
JUL												
09...	.002	.000	.1	.000	.000	.000	.0	.00	.0	.000	.000	.0
AUG												
13...	.000	.000	.3	.000	.000	.000	.0	.00	.0	.000	.000	.0

DATE	HEPTA-CHLOR EPOXIDE TOTAL (UG/L)	HEPTA-CHLOR EPOXIDE DIS-SOLVED (UG/L)	HEPTA-CHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE TOTAL (UG/L)	LINDANE DIS-SOLVED (UG/L)	LINDANE TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	MALA-THION, TOTAL (UG/L)	MALA-THION, DIS-SOLVED (UG/L)	MALA-THION, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	METH-OXY-CHLOR, TOTAL (UG/L)	METH-OXY-CHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARA-THION, TOTAL (UG/L)
MAR												
05...	.000	.000	.0	.000	.000	.0	.00	.00	.0	.00	.0	.00
APR												
02...	.000	.000	.0	.000	.000	.0	.00	.00	.0	.00	.0	.00
MAY												
07...	.000	.000	.0	.000	.000	.0	.00	.00	.0	.00	.0	.00
JUN												
05...	.000	.000	.0	.000	.000	.0	.00	.00	.0	.00	.0	.00
JUL												
09...	.000	.000	.0	.000	.000	.0	.00	.00	.0	.00	.0	.00
AUG												
13...	.000	.000	.0	.000	.000	.0	.00	.00	.0	.00	.0	.00

303200091511900 BAYOU COURTABLEAU OUTLET CHANNEL NEAR COURTABLEAU, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	METHYL PARA-THION, DIS-SOLVED (UG/L)	METHYL PARA-THION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRI-THION, TOTAL (UG/L)	METHYL TRI-THION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, TOTAL (UG/L)	MIREX, DIS-SOLVED (UG/L)	MIREX, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	PARA-THION, TOTAL (UG/L)	PARA-THION, DIS-SOLVED (UG/L)	PARA-THION, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	PER-THANE TOTAL (UG/L)	TOX-APHENE, TOTAL (UG/L)
MAR												
05...	.00	.0	.00	.0	.00	.00	.0	.00	.00	.0	.00	.0
APR												
02...	.00	.0	.00	.0	.00	.00	.0	.00	.00	.0	.00	.0
MAY												
07...	.00	.0	.00	.0	.00	.00	.0	.00	.00	.0	.00	.0
JUN												
05...	.00	.0	.00	.0	.00	.00	.0	.00	.00	.0	.00	.0
JUL												
09...	.00	.0	.00	.0	.00	.00	.0	.00	.00	.0	.00	.0
AUG												
13...	.00	.0	.00	.0	.00	.00	.0	.00	.00	.0	.00	.0

DATE	TOX-APHENE, DIS-SOLVED (UG/L)	TOXA-PHENE, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	TOTAL TRI-THION (UG/L)	TRI-THION, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	2,4-D, TOTAL (UG/L)	2,4-D, DIS-SOLVED (UG/L)	2,4,5-T TOTAL (UG/L)	2,4,5-T DIS-SOLVED (UG/L)	SILVEX, TOTAL (UG/L)	SILVEX, DIS-SOLVED (UG/L)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)
MAR												
05...	.0	0	.00	.0	.00	.28	.00	.00	.00	.00	3.77	.000
APR												
02...	.0	0	.00	.0	.00	.03	.00	.00	.00	.01	.850	.000
MAY												
07...	.0	0	.00	.0	.00	.17	.00	.02	.00	.00	2.63	.000
JUN												
05...	.0	0	.00	.0	.00	.05	.00	.05	.00	.00	41.1	7.40
JUL												
09...	.0	0	.00	.0	.00	.19	.00	.06	.00	.00	6.03	.000
AUG												
13...	.0	0	.00	.0	.00	1.9	.00	.03	.00	.00	35.7	4.83

DATE	BED MAT. FALL DIAM. % FINER THAN .004 MM	BED MAT. SIEVE DIAM. % FINER THAN .062 MM	BED MAT. SIEVE DIAM. % FINER THAN .125 MM	BED MAT. SIEVE DIAM. % FINER THAN .250 MM	BED MAT. SIEVE DIAM. % FINER THAN .500 MM	BED MAT. SIEVE DIAM. % FINER THAN 1.00 MM
MAR						
05...	53	91	91	92	93	93
APR						
02...	36	74	76	78	80	83
MAY						
07...	70	98	98	98	98	98

302822091502200 BAYOU COURTABLEAU OUTLET CHANNEL SOUTH OF COURTABLEAU, LA

LOCATION.--Lat 30°28'22", long 91°50'22", in NE¼ sec.3, T.7 S., R.6 E., St. Landry Parish, Hydrologic Unit 08080101, at gaging station, 10 mi (16.1 km) south of Courtableau.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--March 1980 to August 1980 (discontinued).

COOPERATION.--Samples collected by the Corps of Engineers and analyzed by the Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	COLOR (PLATINUM COBALT UNITS)	TURBIDITY (JTU)	SETTLEABLE MATTER (ML/L/HR)	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	SODIUM PERCENT
MAR												
05...	0845	107	6.6	20	100	<1.0	41	5	9.5	4.1	6.1	23
APR												
02...	0900	74	6.9	--	--	<1.0	28	1	6.9	2.6	2.3	14
MAY												
07...	0802	124	6.9	100	80	<1.0	52	6	13	4.8	5.4	18
JUN												
05...	0700	148	6.2	80	25	<1.0	57	0	15	4.7	4.5	14
JUL												
09...	0715	365	7.7	30	20	<1.0	140	6	36	13	13	16
AUG												
13...	0800	627	7.6	15	35	<1.0	230	20	58	21	40	27

DATE	SODIUM ADSORPTION RATIO	POTASSIUM, DISSOLVED (MG/L AS K)	BICARBONATE (MG/L AS HCO3)	CARBONATE (MG/L AS CO3)	ALKALINITY (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)	SOLIDS, NONVOLATILE, SUSPENDED (MG/L)	SOLIDS, VOLATILE, SUSPENDED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRATE DISSOLVED (MG/L AS N)
MAR												
05...	.4	2.3	43	0	35	4.4	5.9	--	--	--	.19	.22
APR												
02...	.2	2.3	33	0	27	1.5	2.8	40	30	10	.07	.09
MAY												
07...	.3	2.2	56	0	46	6.4	7.4	--	--	--	.16	.20
JUN												
05...	.3	3.5	74	0	61	5.4	4.6	14	9	5	.08	.10
JUL												
09...	.5	4.0	169	0	139	17	14	26	26	0	.00	.01
AUG												
13...	1.1	5.0	258	0	212	29	58	--	--	--	.00	.00

DATE	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NITRITE DISSOLVED (MG/L AS N)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)	NITROGEN,NH4 TOTAL IN BOT. MAT. (MG/KG AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS NH4)	NITROGEN, AMMONIA DISSOLVED (MG/L AS NH4)	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN, ORGANIC DISSOLVED (MG/L AS N)	NITROGEN,AMMONIA + ORGANIC TOTAL (MG/L AS N)
MAR												
05...	.04	.01	.23	.23	.19	.18	103	.23	.23	1.1	.80	1.3
APR												
02...	.04	.02	.11	.11	.14	.13	22	.17	.17	1.1	.55	1.2
MAY												
07...	.05	.02	.21	.22	.18	.06	60	.22	.08	1.3	1.5	1.5
JUN												
05...	.05	.02	.13	.12	.28	.12	160	.34	.15	1.6	1.2	1.9
JUL												
09...	.00	.00	.00	.01	.13	.08	150	.16	.10	1.8	1.8	1.9
AUG												
13...	.00	.00	.00	.01	.16	.14	110	.19	.18	1.6	1.6	1.8

< Actual value is known to be less than the value shown.

302822091502200 BAYOU COURTABLEAU OUTLET CHANNEL SOUTH OF COURTABLEAU, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	NITRO-GEN,NH4 + ORG. SUSP. TOTAL (MG/L AS N)	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N)	NITRO-GEN,NH4 + ORG. TOT IN BOT MAT (MG/KG AS N)	NITRO-GEN, TOTAL (MG/L AS N)	NITRO-GEN, DIS-SOLVED (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS NO3)	PHOS-PHORUS, TOTAL (MG/L AS P)	PHOS-PHORUS, ORTHOPH OSPHATE TOTAL (MG/L AS PO4)	PHOS-PHORUS, TOTAL (MG/L AS PO4)	PHOS-PHORUS, DIS-SOLVED (MG/L AS P)	PHOS-PHORUS, ORTHOPH OSPHATE TOTAL (MG/L AS P)	PHOS-PHORUS, ORTHOPH OSPHATE DISSOL. (MG/L AS P)
MAR 05...	.32	.98	1620	1.5	1.2	6.8	.160	.43	.49	--	.14	.10
APR 02...	.52	.68	1450	1.3	.79	5.8	.230	.55	.71	.080	.18	.04
MAY 07...	--	1.6	1430	1.7	1.8	7.6	.260	.58	.80	--	.19	.10
JUN 05...	.60	1.3	2040	2.0	1.4	9.0	--	.77	--	--	.25	.09
JUL 09...	.00	1.9	240	1.9	1.9	8.4	.240	.25	.74	.110	.08	.07
AUG 13...	.10	1.7	1400	1.8	1.7	8.0	.180	.31	.55	.120	.10	.08

DATE	PHOS-PHORUS, ORTHOPH OSPHATE DISSOL. (MG/L AS PO4)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC SUS-PENDED TOTAL (UG/L AS AS)	ARSENIC DIS-SOLVED (UG/L AS AS)	ARSENIC TOTAL IN BOT-TOM MA-TERIAL (UG/G AS AS)	BERYL-LIUM, TOTAL RECOV-ERABLE (UG/L AS BE)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE)	BERYL-LIUM, RECOV. FM BOT-TOM MA-TERIAL (UG/G)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)	CADMIUM SUS-PENDED RECOV-ERABLE (UG/L AS CD)	CADMIUM DIS-SOLVED (UG/L AS CD)	CADMIUM RECOV. FM BOT-TOM MA-TERIAL (UG/G AS CD)
MAR 05...	.31	2	1	1	11	0	<1	1	0	--	<1	.23
APR 02...	.12	2	1	1	10	0	<1	1	1	0	1	.08
MAY 07...	.31	3	1	2	7	0	<1	1	1	0	1	.15
JUN 05...	.28	5	2	3	11	0	<1	1	3	2	1	.18
JUL 09...	.21	7	1	6	10	0	<1	1	0	--	<1	.17
AUG 13...	.25	7	1	6	16	0	<1	1	0	--	<1	.16

DATE	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR)	CHRO-MIUM, SUS-PENDED RECOV. (UG/L AS CR)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR)	CHRO-MIUM, RECOV. FM BOT-TOM MA-TERIAL (UG/G)	CHRO-MIUM, HEXA-VALENT, DIS. (UG/L AS CR)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	COPPER, SUS-PENDED RECOV-ERABLE (UG/L AS CU)	COPPER, DIS-SOLVED (UG/L AS CU)	COPPER, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS CU)	IRON, DIS-SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	LEAD, SUS-PENDED RECOV-ERABLE (UG/L AS PB)
MAR 05...	20	20	0	10	0	7	0	7	21	190	7	6
APR 02...	0	0	0	10	2	2	--	3	21	130	5	5
MAY 07...	10	0	10	8	0	7	3	4	18	180	7	5
JUN 05...	0	0	0	6	0	5	1	4	19	220	3	3
JUL 09...	0	0	0	9	0	17	13	4	35	10	11	11
AUG 13...	10	10	0	9	0	6	3	3	23	10	8	7

< Actual value is known to be less than the value shown.

302822091502200 BAYOU COURTABLEAU OUTLET CHANNEL SOUTH OF COURTABLEAU, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	LEAD, DIS-SOLVED (UG/L AS PB)	LEAD, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS PB)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MANGA-NESE, SUS-PENDED RECOV. (UG/L AS MN)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	MANGA-NESE, RECOV. FM BOT-TOM MA-TERIAL (UG/G)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	MERCURY SUS-PENDED RECOV-ERABLE (UG/L AS HG)	MERCURY DIS-SOLVED (UG/L AS HG)	MERCURY RECOV. FM BOT-TOM MA-TERIAL (UG/G AS HG)	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI)	NICKEL, SUS-PENDED RECOV-ERABLE (UG/L AS NI)
MAR 05...	1	0	80	60	20	720	.1	.0	.1	.04	13	9
APR 02...	0	0	90	60	30	820	.0	.0	.0	.06	6	6
MAY 07...	2	10	100	70	30	660	.0	.0	.0	.08	9	5
JUN 05...	0	10	180	50	130	800	.0	.0	.0	.06	6	3
JUL 09...	0	10	480	130	350	790	.1	.1	.0	.05	5	2
AUG 13...	1	10	770	230	540	64	.1	.1	.0	.05	3	3

DATE	NICKEL, DIS-SOLVED (UG/L AS NI)	NICKEL, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS NI)	SELE-NIUM, TOTAL (UG/L AS SE)	SELE-NIUM, SUS-PENDED TOTAL (UG/L AS SE)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)	SELE-NIUM, TOTAL IN BOT-TOM MA-TERIAL (UG/G)	VANA-DIUM, DIS-SOLVED (UG/L AS V)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)	ZINC, SUS-PENDED RECOV-ERABLE (UG/L AS ZN)	ZINC, DIS-SOLVED (UG/L AS ZN)	ZINC, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS ZN)
MAR 05...	4	10	0	0	0	.0	2.0	30	20	10	51
APR 02...	0	20	0	0	0	.0	2.0	20	20	3	56
MAY 07...	4	20	0	0	0	.0	3.0	20	10	7	40
JUN 05...	3	10	0	0	0	.0	3.0	20	10	8	40
JUL 09...	3	20	0	0	0	.0	2.0	40	40	4	46
AUG 13...	0	20	0	0	0	.0	4.0	40	40	<3	55

DATE	PCB, TOTAL (UG/L)	PCB, DIS-SOLVED (UG/L)	PCB, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	NAPH-THA-LENES, POLY-CHLOR. TOTAL (UG/L)	PCN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	ALDRIN, TOTAL (UG/L)	ALDRIN, DIS-SOLVED (UG/L)	ALDRIN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	CHLOR-DANE, TOTAL (UG/L)	CHLOR-DANE, DIS-SOLVED (UG/L)	CHLOR-DANE, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)
MAR 05...	.0	.2	0	.00	.0	.000	.000	.0	.0	.0	3
APR 02...	.0	.0	6	.00	.0	.000	.000	.0	.0	.0	15
MAY 07...	.0	.3	3	.00	.0	.000	.000	.0	.0	.0	5
JUN 05...	.0	.0	0	.00	.0	.000	.000	.0	.0	.0	2
JUL 09...	.0	.0	0	.00	.0	.000	.000	.0	.0	.0	7
AUG 13...	.0	.0	0	.00	.0	.000	.090	.0	.0	.0	8

< Actual value is known to be less than the value shown.

302822091502200 BAYOU COURTABLEAU OUTLET CHANNEL SOUTH OF COURTABLEAU, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	DDD, TOTAL (UG/L)	DDD, DIS-SOLVED (UG/L)	DDD, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	DDE, TOTAL (UG/L)	DDE, DIS-SOLVED (UG/L)	DDE, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	DDT, TOTAL (UG/L)	DDT, DIS-SOLVED (UG/L)	DDT, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	DI-AZINON, TOTAL (UG/L)	DI-AZINON, DIS-SOLVED (UG/L)	DI-AZINON, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)
MAR												
05...	.003	.001	8.6	.000	.000	16	.010	.002	5.6	.00	.06	.0
APR												
02...	.000	.000	16	.000	.000	32	.005	.000	.0	.05	.06	.0
MAY												
07...	.010	.000	11	.000	.000	18	.010	.000	.0	.00	.07	.0
JUN												
05...	.000	.000	16	.000	.000	19	.000	.000	2.4	.00	.02	.0
JUL												
09...	.002	.000	7.6	.000	.000	13	.000	.000	.7	.00	.03	.0
AUG												
13...	.000	.000	17	.000	.000	15	.000	.000	4.4	.00	.13	.0

DATE	DI-ELDRIN TOTAL (UG/L)	DI-ELDRIN DIS-SOLVED (UG/L)	DI-ELDRIN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	ENDO-SULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ENDRIN, DIS-SOLVED (UG/L)	ENDRIN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	ETHION, TOTAL (UG/L)	ETHION, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	HEPTA-CHLOR, TOTAL (UG/L)	HEPTA-CHLOR, DIS-SOLVED (UG/L)	HEPTA-CHLOR, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)
MAR												
05...	.010	.003	.6	.000	.001	.000	.0	.00	.0	.000	.000	.0
APR												
02...	.005	.007	.5	.000	.000	.000	.1	.00	.0	.000	.000	.0
MAY												
07...	.010	.015	.8	.000	.000	.000	.0	.00	.0	.000	.000	.0
JUN												
05...	.000	.002	.2	.000	.000	.000	.0	.00	.0	.000	.000	.0
JUL												
09...	.002	.000	.2	.000	.000	.000	.0	.00	.0	.000	.000	.0
AUG												
13...	.000	.005	.5	.000	.000	.000	.0	.00	.0	.000	.000	.0

DATE	HEPTA-CHLOR EPOXIDE TOTAL (UG/L)	HEPTA-CHLOR EPOXIDE DIS-SOLVED (UG/L)	HEPTA-CHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE TOTAL (UG/L)	LINDANE DIS-SOLVED (UG/L)	LINDANE TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	MALA-THION, TOTAL (UG/L)	MALA-THION, DIS-SOLVED (UG/L)	MALA-THION, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	METH-OXY-CHLOR, TOTAL (UG/L)	METH-OXY-CHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARA-THION, TOTAL (UG/L)
MAR												
05...	.000	.000	.1	.000	.000	.0	.00	.00	.0	.00	.0	.00
APR												
02...	.000	.000	.0	.000	.000	.0	.00	.00	.0	.00	.0	.00
MAY												
07...	.000	.000	.0	.000	.000	.0	.00	.00	.0	.00	.0	.00
JUN												
05...	.000	.000	.0	.000	.000	.0	.00	.00	.0	.00	.0	.00
JUL												
09...	.000	.000	.0	.000	.000	.0	.00	.00	.0	.00	.0	.00
AUG												
13...	.000	.000	.0	.000	.000	.0	.00	.00	.0	.00	.0	.00

302822091502200 BAYOU COURTABLEAU OUTLET CHANNEL SOUTH OF COURTABLEAU, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	METHYL PARA-THION, DIS-SOLVED (UG/L)	METHYL PARA-THION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRI-THION, TOTAL (UG/L)	METHYL TRI-THION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, TOTAL (UG/L)	MIREX, DIS-SOLVED (UG/L)	MIREX, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	PARA-THION, TOTAL (UG/L)	PARA-THION, DIS-SOLVED (UG/L)	PARA-THION, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	PER-THANE TOTAL (UG/L)	TOX-APHENE, TOTAL (UG/L)
MAR 05...	.00	.0	.00	.0	.00	.00	.0	.00	.00	.0	.00	.0
APR 02...	.00	.0	.00	.0	.00	.00	.0	.00	.00	.0	.00	.0
MAY 07...	.00	.0	.00	.0	.00	.00	.0	.00	.00	.0	.00	.0
JUN 05...	.00	.0	.00	.0	.00	.00	.0	.00	.00	.0	.00	.0
JUL 09...	.00	.0	.00	.0	.00	.00	.0	.00	.00	.0	.00	.0
AUG 13...	.00	.0	.00	.0	.00	.00	.0	.00	.00	.0	.00	.0

DATE	TOX-APHENE, DIS-SOLVED (UG/L)	TOXA-PHENE, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	TOTAL TRI-THION (UG/L)	TRI-THION, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	2,4-D, TOTAL (UG/L)	2,4-D, DIS-SOLVED (UG/L)	2,4,5-T TOTAL (UG/L)	2,4,5-T DIS-SOLVED (UG/L)	SILVEX, TOTAL (UG/L)	SILVEX, DIS-SOLVED (UG/L)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)
MAR 05...	.0	0	.00	.0	.00	.29	.00	.00	.00	.00	3.99	.000
APR 02...	.0	0	.00	.0	.02	.02	.00	.01	.01	.01	.930	.000
MAY 07...	.0	0	.00	.0	.16	.19	.02	.02	.01	.02	3.75	.000
JUN 05...	.0	0	.00	.0	.08	.05	.01	.04	.00	.00	.000	.000
JUL 09...	.0	0	.00	.0	.14	.14	.05	.03	.00	.00	--	.000
AUG 13...	.0	0	.00	.0	.20	.27	.01	.01	.00	.00	14.3	4.25

DATE	BED MAT. FALL DIAM. % FINER THAN .004 MM	BED MAT. SIEVE DIAM. % FINER THAN .062 MM	BED MAT. SIEVE DIAM. % FINER THAN .125 MM	BED MAT. SIEVE DIAM. % FINER THAN .250 MM	BED MAT. SIEVE DIAM. % FINER THAN .500 MM	BED MAT. SIEVE DIAM. % FINER THAN 1.00 MM
MAR 05...	44	100	100	100	100	100
APR 02...	40	94	98	100	100	100
MAY 07...	42	100	100	100	100	100

302507091470200 LITTLE FORDOCHE BAYOU NEAR ATCHAFALAYA, LA

LOCATION.--Lat 30°25'07", long 91°47'02", in NW¼ sec.29, T.7 S., R.7 E., St. Landry Parish, Hydrologic Unit 08080101, 0.75 mi (1.2 km) northeast of Lake Fordoche, 8.3 mi (13.4 km) northeast of Henderson.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--March 1980 to August 1980 (discontinued).

COOPERATION.--Samples collected by the Corps of Engineers and analyzed by the Geological Survey.

WAT[illegible] QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	COLOR (PLATINUM COBALT UNITS)	TURBIDITY (JTU)	SETTLEABLE MATTER (ML/L/HR)	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	SODIUM PERCENT
MAR												
05...	1115	115	6.7	20	110	<1.0	41	3	10	4.0	5.6	22
APR												
02...	1140	122	7.0	--	--	<1.0	45	7	11	4.3	4.6	17
MAY												
07...	1100	104	6.9	60	6	<1.0	47	3	12	4.2	3.4	13
JUN												
05...	1000	106	6.2	70	30	<1.0	40	2	10	3.6	3.5	15
JUL												
09...	1015	234	7.4	20	9	<1.0	97	0	25	8.4	8.4	15
AUG												
13...	0900	349	7.2	20	15	<1.0	120	11	30	10	24	30

DATE	SODIUM ADSORPTION RATIO	POTASSIUM, DISSOLVED (MG/L AS K)	BICARBONATE (MG/L AS HCO3)	CARBONATE (MG/L AS CO3)	ALKALINITY (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)	SOLIDS, NONVOLATILE, SUSPENDED (MG/L)	SOLIDS, VOLATILE, SUSPENDED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRATE DISSOLVED (MG/L AS N)
MAR												
05...	.4	2.3	47	0	39	4.5	7.0	--	--	--	.26	.22
APR												
02...	.3	2.4	46	0	38	9.4	5.5	20	12	8	.16	.17
MAY												
07...	.2	2.1	54	0	44	1.1	5.9	--	--	--	.03	.02
JUN												
05...	.2	2.3	46	0	38	1.6	4.0	12	3	9	.01	.00
JUL												
09...	.4	3.2	124	0	102	1.9	12	24	23	1	.00	.00
AUG												
13...	1.0	5.0	130	0	107	10	39	15	1	14	.00	.00

DATE	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NITRITE DISSOLVED (MG/L AS N)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)	NITROGEN,NH4 TOTAL IN BOT. MAT. (MG/KG AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS NH4)	NITROGEN, AMMONIA DISSOLVED (MG/L AS NH4)	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN, ORGANIC DISSOLVED (MG/L AS N)	NITROGEN,AMMONIA + ORGANIC TOTAL (MG/L AS N)
MAR												
05...	.06	.03	.32	.25	--	.01	155	--	.01	--	1.2	1.1
APR												
02...	.04	.02	.20	.19	.13	.12	2.5	.16	.15	.80	.64	.93
MAY												
07...	.01	.01	.04	.03	.09	.00	182	.11	.00	1.3	.93	1.4
JUN												
05...	.03	.01	.04	.01	.12	.03	470	.15	.04	1.2	.84	1.3
JUL												
09...	.00	.00	.00	.00	.08	.02	258	.10	.03	1.3	.98	1.4
AUG												
13...	.00	.01	.00	.01	.05	.04	310	.06	.05	1.4	1.4	1.4

< Actual value is known to be less than the value shown.

302507091470200 LITTLE FORDOCHE BAYOU NEAR ATCHAFALAYA, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	NITROGEN,NH4 + ORG. SUSP. TOTAL (MG/L AS N)	NITROGEN,AMMONIA + ORGANIC DIS. (MG/L AS N)	NITROGEN,NH4 + ORG. TOT IN BOT MAT (MG/KG AS N)	NITROGEN, TOTAL (MG/L AS N)	NITROGEN, DISSOLVED (MG/L AS N)	NITROGEN, TOTAL (MG/L AS NO3)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, ORTHOPHOSPHATE TOTAL (MG/L AS PO4)	PHOSPHORUS, TOTAL (MG/L AS PO4)	PHOSPHORUS, DISSOLVED (MG/L AS P)	PHOSPHORUS, ORTHOPHOSPHATE TOTAL (MG/L AS P)	PHOSPHORUS, ORTHOPHOSPHATE DISSOL. (MG/L AS P)
MAR 05...	--	1.2	3720	1.4	1.5	6.3	.190	--	.58	.100	--	.04
APR 02...	.17	.76	3860	1.1	.95	5.0	.270	.64	.83	.110	.21	.06
MAY 07...	.47	.93	4740	1.4	.96	6.4	.170	.43	.52	--	.14	.18
JUN 05...	.43	.87	3640	1.3	.88	5.9	.220	.58	.67	.110	.19	.06
JUL 09...	.40	1.0	1800	1.4	1.0	6.2	.210	.12	.64	.040	.04	.01
AUG 13...	.00	1.4	4000	1.4	1.4	6.2	.150	.18	.46	.040	.06	.04

DATE	PHOSPHORUS, ORTHOPHOSPHATE DISSOL. (MG/L AS PO4)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC SUSPENDED TOTAL (UG/L AS AS)	ARSENIC DISSOLVED (UG/L AS AS)	ARSENIC TOTAL IN BOTTOM MATERIAL (UG/G AS AS)	BERYLLIUM, TOTAL RECOVERABLE (UG/L AS BE)	BERYLLIUM, DISSOLVED (UG/L AS BE)	BERYLLIUM, RECOV. FM BOTTOM MATERIAL (UG/G)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CADMIUM SUSPENDED RECOVERABLE (UG/L AS CD)	CADMIUM DISSOLVED (UG/L AS CD)	CADMIUM RECOV. FM BOTTOM MATERIAL (UG/G AS CD)
MAR 05...	.12	2	1	1	8	0	<1	0	0	--	<1	.34
APR 02...	.18	3	2	1	11	0	<1	1	1	0	1	.08
MAY 07...	.55	2	0	2	14	0	<1	1	0	--	<1	.25
JUN 05...	.18	3	1	2	14	0	<1	1	0	--	<1	.14
JUL 09...	.03	3	1	2	13	10	<1	1	0	--	<1	.23
AUG 13...	.12	--	--	--	19	0	--	1	0	--	--	.35

DATE	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)	CHROMIUM, SUSPENDED RECOV. (UG/L AS CR)	CHROMIUM, DISSOLVED (UG/L AS CR)	CHROMIUM, RECOV. FM BOTTOM MATERIAL (UG/G)	CHROMIUM, HEXAVALENT, DIS. (UG/L AS CR)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	COPPER, SUSPENDED RECOVERABLE (UG/L AS CU)	COPPER, DISSOLVED (UG/L AS CU)	COPPER, RECOV. FM BOTTOM MATERIAL (UG/G AS CU)	IRON, DISSOLVED (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	LEAD, SUSPENDED RECOVERABLE (UG/L AS PB)
MAR 05...	20	20	0	10	0	7	--	8	16	250	7	5
APR 02...	0	0	0	20	0	4	1	3	42	140	5	5
MAY 07...	10	0	10	20	0	4	3	1	45	220	3	2
JUN 05...	0	0	0	16	0	5	2	3	34	150	3	3
JUL 09...	0	0	0	25	0	20	18	2	38	130	7	5
AUG 13...	0	--	--	11	--	5	--	--	42	--	7	--

< Actual value is known to be less than the value shown.

302507091470200 LITTLE FORDOCHE BAYOU NEAR ATCHAFALAYA, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	LEAD, DIS-SOLVED (UG/L AS PB)	LEAD, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS PB)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MANGA-NESE, SUS-PENDED RECOV. (UG/L AS MN)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	MANGA-NESE, RECOV. FM BOT-TOM MA-TERIAL (UG/G)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	MERCURY SUS-PENDED RECOV-ERABLE (UG/L AS HG)	MERCURY DIS-SOLVED (UG/L AS HG)	MERCURY RECOV. FM BOT-TOM MA-TERIAL (UG/G AS HG)	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI)	NICKEL, SUS-PENDED RECOV-ERABLE (UG/L AS NI)
MAR 05...	2	0	70	60	10	460	.1	.0	.1	.03	12	8
APR 02...	0	0	90	60	30	66	.0	.0	.0	.05	6	6
MAY 07...	1	40	10	5	5	540	.0	.0	.0	.05	4	1
JUN 05...	0	40	50	50	4	1000	.0	.0	.0	.07	6	6
JUL 09...	2	20	290	280	8	500	.1	.1	.0	.04	3	--
AUG 13...	--	30	240	--	--	530	.1	.1	.0	.03	6	--

DATE	NICKEL, DIS-SOLVED (UG/L AS NI)	NICKEL, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS NI)	SELE-NIUM, TOTAL (UG/L AS SE)	SELE-NIUM, SUS-PENDED TOTAL (UG/L AS SE)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)	SELE-NIUM, TOTAL IN BOT-TOM MA-TERIAL (UG/G)	VANA-DIUM, DIS-SOLVED (UG/L AS V)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)	ZINC, SUS-PENDED RECOV-ERABLE (UG/L AS ZN)	ZINC, DIS-SOLVED (UG/L AS ZN)	ZINC, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS ZN)
MAR 05...	4	10	0	0	0	.0	2.0	30	10	20	22
APR 02...	0	30	0	0	0	.0	1.0	20	20	<3	88
MAY 07...	3	40	0	0	0	1	3.0	10	10	<3	110
JUN 05...	0	20	0	0	0	.0	3.0	20	20	<3	90
JUL 09...	4	30	0	0	0	.0	1.0	20	20	4	92
AUG 13...	--	30	--	--	--	1	.0	10	--	--	81

DATE	PCB, TOTAL (UG/L)	PCB, DIS-SOLVED (UG/L)	PCB, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	NAPH-THA-LENES, POLY-CHLOR, TOTAL (UG/L)	PCN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	ALDRIN, TOTAL (UG/L)	ALDRIN, DIS-SOLVED (UG/L)	ALDRIN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	CHLOR-DANE, TOTAL (UG/L)	CHLOR-DANE, DIS-SOLVED (UG/L)	CHLOR-DANE, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)
MAR 05...	.0	.0	0	.00	.0	.000	.000	.0	.0	.0	2
APR 02...	.0	.0	8	.00	.0	.000	.000	.0	.0	.0	0
MAY 07...	.0	.1	2	.00	.0	.000	.000	.0	.0	.0	0
JUN 05...	.0	.0	0	.00	.0	.000	.000	.0	.0	.0	0
JUL 09...	.0	.0	0	.00	.0	.000	.000	.0	.0	.0	0
AUG 13...	.0	.0	0	.00	.0	.000	.070	.0	.0	.0	0

< Actual value is known to be less than the value shown.

302507091470200 LITTLE FORDOCHE BAYOU NEAR ATCHAFALAYA, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	DDD, TOTAL (UG/L)	DDD, DIS-SOLVED (UG/L)	DDD, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	DDE, TOTAL (UG/L)	DDE, DIS-SOLVED (UG/L)	DDE, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	DDT, TOTAL (UG/L)	DDT, DIS-SOLVED (UG/L)	DDT, TOTAL IN BOT-TOM MA-TERIAL (US/KG)	DI-AZINON, TOTAL (UG/L)	DI-AZINON, DIS-SOLVED (UG/L)	DI-AZINON, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)
MAR 05...	.002	.000	5.0	.000	.000	5.7	.006	.002	2.4	.02	.05	.0
APR 02...	.000	.000	3.4	.000	.000	8.7	.003	.000	.0	.00	.00	.0
MAY 07...	.000	.000	.9	.000	.000	1.5	.000	.000	.0	.00	.04	.0
JUN 05...	.000	.000	1.3	.000	.000	4.6	.000	.000	.0	.00	.04	.0
JUL 09...	.000	.000	3.2	.000	.000	6.5	.000	.000	.0	.01	.01	.0
AUG 13...	.000	.000	8.7	.000	.000	.0	.000	.000	.0	.01	.10	.0

DATE	DI-ELDRIN TOTAL (UG/L)	DI-ELDRIN DIS-SOLVED (UG/L)	DI-ELDRIN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	ENDO-SULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ENDRIN, DIS-SOLVED (UG/L)	ENDRIN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	ETHION, TOTAL (UG/L)	ETHION, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	HEPTA-CHLOR, TOTAL (UG/L)	HEPTA-CHLOR, DIS-SOLVED (UG/L)	HEPTA-CHLOR, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)
MAR 05...	.004	.002	.0	.000	.000	.000	.0	.00	.0	.000	.000	.0
APR 02...	.003	.002	.0	.000	.000	.003	.0	.00	.0	.000	.000	.0
MAY 07...	.000	.004	.0	.000	.000	.000	.0	.00	.0	.000	.000	.0
JUN 05...	.000	.000	.0	.000	.000	.000	.0	.00	.0	.000	.000	.0
JUL 09...	.000	.000	.0	.000	.000	.000	.0	.00	.0	.000	.000	.0
AUG 13...	.000	.000	.0	.000	.000	.000	.0	.00	.0	.000	.000	.0

DATE	HEPTA-CHLOR EPOXIDE TOTAL (UG/L)	HEPTA-CHLOR EPOXIDE DIS-SOLVED (UG/L)	HEPTA-CHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE TOTAL (UG/L)	LINDANE DIS-SOLVED (UG/L)	LINDANE TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	MALA-THION, TOTAL (UG/L)	MALA-THION, DIS-SOLVED (UG/L)	MALA-THION, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	METH-OXY-CHLOR, TOTAL (UG/L)	METH-OXY-CHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARA-THION, TOTAL (UG/L)
MAR 05...	.000	.000	.0	.000	.000	.0	.00	.04	.0	.00	.0	.00
APR 02...	.000	.000	.0	.000	.000	.0	.00	.00	.0	.00	.0	.00
MAY 07...	.000	.000	.0	.000	.000	.0	.00	.00	.0	.00	.0	.00
JUN 05...	.000	.000	.0	.000	.000	.0	.00	.00	.0	.00	.0	.00
JUL 09...	.000	.000	.0	.000	.000	.0	.00	.00	.0	.00	.0	.00
AUG 13...	.000	.000	.0	.000	.000	.0	.00	.00	.0	.00	.0	.00

302507091470200 LITTLE FORDOCHE BAYOU NEAT ATCHAFALAYA, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	METHYL PARA-THION, DIS-SOLVED (UG/L)	METHYL PARA-THION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRI-THION, TOTAL (UG/L)	METHYL TRI-THION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, TOTAL (UG/L)	MIREX, DIS-SOLVED (UG/L)	MIREX, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	PARA-THION, TOTAL (UG/L)	PARA-THION, DIS-SOLVED (UG/L)	PARA-THION, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	PER-THANE TOTAL (UG/L)	TOX-APHENE, TOTAL (UG/L)
MAR												
05...	.00	.0	.00	.0	.00	.00	.0	.00	.00	.0	.00	.0
APR												
02...	.00	.0	.00	.0	.00	.00	.0	.00	.00	.0	.00	.0
MAY												
07...	.00	.0	.00	.0	.00	.00	.0	.00	.00	.0	.00	.0
JUN												
05...	.00	.0	.00	.0	.00	.00	.0	.00	.00	.0	.00	.0
JUL												
09...	.00	.0	.00	.0	.00	.00	.0	.00	.00	.0	.00	.0
AUG												
13...	.00	.0	.00	.0	.00	.00	.0	.00	.00	.0	.00	.0

DATE	TOX-APHENE, DIS-SOLVED (UG/L)	TOXA-PHENE, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	TOTAL TRI-THION (UG/L)	TRI-THION, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	2,4-D, TOTAL (UG/L)	2,4-D, DIS-SOLVED (UG/L)	2,4,5-T TOTAL (UG/L)	2,4,5-T DIS-SOLVED (UG/L)	SILVEX, TOTAL (UG/L)	SILVEX, DIS-SOLVED (UG/L)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)
MAR												
05...	.0	0	.00	.0	.09	.08	.00	.00	.00	.00	3.71	.000
APR												
02...	.0	0	.00	.0	.03	.03	.00	.00	.01	.01	1.63	.000
MAY												
07...	.0	0	.00	.0	.03	.00	.00	.00	.00	.00	1.20	.000
JUN												
05...	.0	0	.00	.0	.00	.01	.00	.01	.00	.00	6.44	.000
JUL												
09...	.0	0	.00	.0	.33	.41	.03	.01	.00	.00	--	--
AUG												
13...	.0	0	.00	.0	.00	.00	.00	.00	.00	.00	27.0	2.57

DATE	BED MAT. FALL DIAM. % FINER THAN .004 MM	BED MAT. SIEVE DIAM. % FINER THAN .062 MM	BED MAT. SIEVE DIAM. % FINER THAN .125 MM	BED MAT. SIEVE DIAM. % FINER THAN .250 MM	BED MAT. SIEVE DIAM. % FINER THAN .500 MM	BED MAT. SIEVE DIAM. % FINER THAN 1.00 MM
MAR						
05...	81	99	100	100	100	100
APR						
02...	53	82	88	97	98	98
MAY						
07...	71	100	100	100	100	100

302218091453300 BAYOU FUSILIER OF THE SWAMPS AT MOUTH NEAR ATCHAFALAYA, LA

LOCATION.--Lat 30°22'18", long 91°45'33", in NE¼ sec.9, T.8 S., R.7 E., St. Martin Parish, Hydrologic Unit 08080101, 3.5 mi (5.6 km) north of I-10 and 4.4 mi (7.1 km) northeast of Henderson.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--March 1980 to August 1980 (discontinued).

COOPERATION.--Samples collected by the Corps of Engineers and analyzed by the Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	COLOR (PLAT-INUM COBALT UNITS)	TUR-BID-ITY (JTU)	SETTLE-ABLE MATTER (ML/L/HR)	HARD-NESS (MG/L AS CACO3)	HARD-NESS, NONCAR-BONATE (MG/L CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	SODIUM PERCENT
MAR 05...	1045	177	6.9	20	40	<1.0	69	4	17	6.5	7.9	19
APR 02...	1110	122	6.9	--	--	<1.0	45	6	11	4.3	4.4	17
MAY 07...	1015	100	6.9	70	8	<1.0	46	2	12	4.0	3.3	13
JUN 05...	0930	105	6.2	80	25	<1.0	40	1	9.9	3.6	3.7	16
JUL 09...	0945	254	7.4	30	6	<1.0	85	0	22	7.2	15	27
AUG 13...	0930	333	7.1	30	10	<1.0	89	7	23	7.7	30	41

DATE	SODIUM AD-SORP-TION RATIO	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	BICAR-BONATE (MG/L AS HCO3)	CAR-BONATE (MG/L AS CO3)	ALKA-LINITY (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)	SOLIDS, NON-VOLA-TILE, SUS-PENDED (MG/L)	SOLIDS, VOLA-TILE, SUS-PENDED (MG/L)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRATE DIS-SOLVED (MG/L AS N)
MAR 05...	.4	2.6	80	0	66	6.6	9.1	--	--	--	.12	.11
APR 02...	.3	2.3	48	0	39	4.2	5.5	13	4	9	.15	.17
MAY 07...	.2	2.3	54	0	44	9.2	3.8	--	--	--	.01	.02
JUN 05...	.3	2.4	47	0	39	5.6	4.9	5	2	3	.03	.00
JUL 09...	.7	3.2	108	0	89	1.1	24	17	17	0	.00	.03
AUG 13...	1.4	3.8	100	0	82	4.7	49	--	--	--	.00	.00

DATE	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N)	NITRO-GEN,NH4 TOTAL IN BOT. MAT. (MG/KG AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS NH4)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS NH4)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, ORGANIC DIS-SOLVED (MG/L AS N)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N)
MAR 05...	.03	.01	.15	.12	--	.01	301	--	.01	--	.88	.90
APR 02...	.04	.02	.19	.19	.12	.12	52	.15	.15	.98	.62	1.1
MAY 07...	.01	.01	.02	.03	.07	.00	225	.09	.00	.75	.80	.82
JUN 05...	.03	.01	.06	.01	.10	.00	470	.12	.00	2.6	.90	2.7
JUL 09...	.00	.00	.00	.03	.08	.09	380	.10	.12	1.0	1.1	1.1
AUG 13...	.00	.01	.00	.01	.05	.02	330	.06	.03	1.3	1.3	1.3

< Actual value is known to be less than the value shown.

302218091453360 BAYOU FUSILIER OF THE SWAMPS AT MOUTH NEAR ATCHAFALAYA, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	NITRO-GEN,NH4 + ORG. SUSP. TOTAL (MG/L AS N)	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N)	NITRO-GEN,NH4 + ORG. TOT IN BOT MAT (MG/KG AS N)	NITRO-GEN, TOTAL (MG/L AS N)	NITRO-GEN, DIS-SOLVED (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS NO3)	PHOS-PHORUS, TOTAL (MG/L AS P)	PHOS-PHORUS, ORTHOPH OSPHATE TOTAL (MG/L AS PO4)	PHOS-PHORUS, TOTAL (MG/L AS PO4)	PHOS-PHORUS, DIS-SOLVED (MG/L AS P)	PHOS-PHORUS, ORTHOPH OSPHATE TOTAL (MG/L AS P)	PHOS-PHORUS, ORTHOPH OSPHATE DISSOL. (MG/L AS P)
MAR												
05...	.01	.09	4870	1.1	1.0	4.6	.150	.40	.46	.060	.13	.04
APR												
02...	.36	.74	3840	1.3	.93	5.7	.250	.04	.77	.100	.21	.06
MAY												
07...	.02	.00	4900	.04	.03	3.7	.190	.43	.50	--	.14	.17
JUN												
05...	1.0	.90	4300	2.0	.01	12	.230	.55	.71	.060	.10	.03
JUL												
09...	--	1.2	800	1.1	1.2	4.9	.190	.10	.50	.070	.06	.04
AUG												
13...	.00	1.3	3500	1.3	1.3	5.0	.110	.12	.36	.040	.04	.02

DATE	PHOS-PHORUS, ORTHOPH OSPHATE DISSOL. (MG/L AS PO4)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC SUS-PENDED TOTAL (UG/L AS AS)	ARSENIC DIS-SOLVED (UG/L AS AS)	ARSENIC TOTAL IN BOT-TOM MA-TERIAL (UG/G AS AS)	BERYL-LIUM, TOTAL RECOV-ERABLE (UG/L AS BE)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE)	BERYL-LIUM, RECOV. FM BOT-TOM MA-TERIAL (UG/G)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)	CADMIUM DIS-SOLVED (UG/L AS CD)	CADMIUM RECOV. FM BOT-TOM MA-TERIAL (UG/G AS CD)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR)
MAR												
05...	.12	2	1	1	13	0	<1	0	0	<1	.37	10
APR												
02...	.18	3	2	1	13	0	<1	1	1	1	.16	0
MAY												
07...	.52	2	--	3	9	0	<1	1	0	<1	.27	0
JUN												
05...	.09	3	1	2	14	0	<1	1	1	1	.16	0
JUL												
09...	.12	3	0	3	13	10	<1	1	0	<1	.21	0
AUG												
13...	.06	3	0	3	20	10	<1	1	0	<1	.32	10

DATE	CHRO-MIUM, SUS-PENDED RECOV. (UG/L AS CR)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR)	CHRO-MIUM, RECOV. FM BOT-TOM MA-TERIAL (UG/G)	CHRO-MIUM, HEXA-VALENT, DIS. (UG/L AS CR)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	COPPER, SUS-PENDED RECOV-ERABLE (UG/L AS CU)	COPPER, DIS-SOLVED (UG/L AS CU)	COPPER, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS CU)	IRON, DIS-SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	LEAD, SUS-PENDED RECOV-ERABLE (UG/L AS PB)	LEAD, DIS-SOLVED (UG/L AS PB)
MAR												
05...	10	0	40	0	8	4	4	21	190	5	5	0
APR												
02...	0	0	20	0	4	1	3	42	150	5	5	0
MAY												
07...	0	0	10	0	4	2	2	32	220	3	2	1
JUN												
05...	0	0	22	0	6	4	2	41	150	0	0	0
JUL												
09...	0	0	30	0	8	3	5	33	250	7	4	3
AUG												
13...	10	0	20	0	7	3	4	32	30	7	6	1

< Actual value is known to be less than the value shown.

302210091453300 BAYOU FUSILIER OF THE SWAMPS AT MOUTH NEAR ATCHAFALAYA, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	LEAD, RECOV, FM BOTTOM MATERIAL (UG/G AS PB)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	MANGANESE, SUSPENDED RECOV, (UG/L AS MN)	MANGANESE, DISSOLVED (UG/L AS MN)	MANGANESE, RECOV, FM BOTTOM MATERIAL (UG/G)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	MERCURY SUSPENDED RECOVERABLE (UG/L AS HG)	MERCURY DISSOLVED (UG/L AS HG)	MERCURY RECOV, FM BOTTOM MATERIAL (UG/G AS HG)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI)	NICKEL, SUSPENDED RECOVERABLE (UG/L AS NI)
MAR											
05...	0	50	20	30	710	.1	.1	.0	.04	8	5
APR											
02...	0	90	60	30	730	.0	.0	.0	.05	5	5
MAY											
07...	30	20	20	5	780	.0	.0	.0	.04	3	--
JUN											
05...	20	60	30	9	940	.0	.0	.0	.06	8	8
JUL											
09...	40	210	180	30	790	.1	.1	.0	.05	5	1
AUG											
13...	30	230	180	50	700	.0	.0	.0	.05	3	3

DATE	NICKEL, DISSOLVED (UG/L AS NI)	NICKEL, RECOV, FM BOTTOM MATERIAL (UG/G AS NI)	SELENIUM, TOTAL (UG/L AS SE)	SELENIUM, SUSPENDED TOTAL (UG/L AS SE)	SELENIUM, DISSOLVED (UG/L AS SE)	SELENIUM, TOTAL IN BOTTOM MATERIAL (UG/G)	VANADIUM, DISSOLVED (UG/L AS V)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)	ZINC, SUSPENDED RECOVERABLE (UG/L AS ZN)	ZINC, DISSOLVED (UG/L AS ZN)	ZINC, RECOV, FM BOTTOM MATERIAL (UG/G AS ZN)
MAR											
05...	3	10	0	0	0	.0	1.0	30	20	7	86
APR											
02...	0	30	0	0	0	.0	1.0	20	20	<3	88
MAY											
07...	5	30	0	0	0	.0	2.0	10	10	<3	70
JUN											
05...	0	20	0	0	0	.0	2.0	30	30	<3	80
JUL											
09...	6	30	0	0	0	.0	.0	20	10	6	82
AUG											
13...	-	20	0	0	0	.0	.0	30	20	8	74

DATE	PCB, TOTAL (UG/L)	PCB, DISSOLVED (UG/L)	PCB, TOTAL IN BOTTOM MATERIAL (UG/KG)	PCN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ALDRIN, TOTAL (UG/L)	ALDRIN, DISSOLVED (UG/L)	ALDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	CHLORDANE, TOTAL (UG/L)	CHLORDANE, DISSOLVED (UG/L)	CHLORDANE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDD, TOTAL (UG/L)
MAR											
05...	.0	.0	0	.0	.000	.000	.0	.0	.0	0	.000
APR											
02...	.0	.0	0	.0	.000	.000	5.2	.0	.0	0	.000
MAY											
07...	.0	.0	0	.0	.000	.000	.0	.0	.0	2	.000
JUN											
05...	.0	.0	0	.0	.000	.000	.0	.0	.0	0	.000
JUL											
09...	.0	.0	0	.0	.000	.000	.0	.0	.0	0	.000
AUG											
13...	.0	.0	0	.0	.000	.000	.0	.0	.0	0	.000

< Actual value is known to be less than the value shown.

302218091453300 BAYOU FUSILIER OF THE SWAMPS AT MOUTH NEAR ATCHAFALAYA, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	DDD, DIS- SOLVED (UG/L)	DDD, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDE, TOTAL (UG/L)	DDE, DIS- SOLVED (UG/L)	DDE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDT, TOTAL (UG/L)	DDT, DIS- SOLVED (UG/L)	DDT, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- AZINON, TOTAL (UG/L)	DI- AZINON, DIS- SOLVED (UG/L)	DI- AZINON, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- ELDRIN TOTAL (UG/L)
MAR 05...	.001	.0	.000	.000	1.8	.000	.000	.0	.00	.02	.0	.001
APR 02...	.000	5.2	.000	.000	5.5	.000	.000	.0	.00	.00	.0	.001
MAY 07...	.000	1.4	.000	.000	1.7	.000	.000	.0	.00	.03	.0	.000
JUN 05...	.000	2.5	.000	.000	6.6	.000	.000	.0	.00	.04	.0	.000
JUL 09...	.000	3.0	.000	.000	5.2	.000	.000	.0	.02	.04	.0	.000
AUG 13...	.000	1.4	.000	.000	3.4	.000	.000	.0	.00	.08	.0	.003

DATE	DI- ELDRIN DIS- SOLVED (UG/L)	DI- ELDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ENDO- SULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ENDRIN, DIS- SOLVED (UG/L)	ENDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ETHION, TOTAL (UG/L)	ETHION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR, TOTAL (UG/L)	HEPTA- CHLOR, DIS- SOLVED (UG/L)	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR EPOXIDE TOTAL (UG/L)
MAR 05...	.001	.1	.000	.000	.000	.0	.00	.0	.000	.000	.0	.000
APR 02...	.005	.0	.000	.000	.000	.0	.00	.0	.000	.000	.0	.000
MAY 07...	.004	.0	.000	.000	.000	.0	.00	.0	.000	.000	.0	.000
JUN 05...	.000	.0	.000	.000	.000	.0	.00	.0	.000	.000	.0	.000
JUL 09...	.000	.0	.000	.000	.000	.0	.00	.0	.000	.000	.0	.000
AUG 13...	.003	.0	.000	.000	.000	.0	.00	.0	.000	.000	.0	.000

DATE	HEPTA- CHLOR EPOXIDE DIS- SOLVED (UG/L)	HEPTA- CHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE TOTAL (UG/L)	LINDANE DIS- SOLVED (UG/L)	LINDANE TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	MALA- THION, TOTAL (UG/L)	MALA- THION, DIS- SOLVED (UG/L)	MALA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	METH- OXY- CHLOR, TOTAL (UG/L)	METH- OXY- CHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARA- THION, TOTAL (UG/L)	METHYL PARA- THION, DIS- SOLVED (UG/L)
MAR 05...	.000	.0	.000	.000	.0	.00	.00	.0	.00	.0	.00	.00
APR 02...	.000	.0	.000	.000	.0	.00	.00	.0	.00	.0	.00	.00
MAY 07...	.000	.0	.000	.000	.0	.00	.00	.0	.00	.0	.00	.00
JUN 05...	.000	.0	.000	.000	.0	.00	.00	.0	.00	.0	.00	.00
JUL 09...	.000	.0	.000	.000	.0	.00	.00	.0	.00	.0	.00	.00
AUG 13...	.000	.0	.000	.000	.0	.00	.00	.0	.00	.0	.00	.00

302218091453300 BAYOU FUSILIER OF THE SWAMPS AT MOUTH NEAR ATCHAFALAYA, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	METHYL PARA-THION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRI-THION, TOTAL (UG/L)	METHYL TRI-THION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, TOTAL (UG/L)	MIREX, DIS-SOLVED (UG/L)	MIREX, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	PARA-THION, TOTAL (UG/L)	PARA-THION, DIS-SOLVED (UG/L)	PARA-THION, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	TOX-APHENE, TOTAL (UG/L)	TOX-APHENE, DIS-SOLVED (UG/L)
MAR 05...	.0	.00	.0	.00	.00	.0	.00	.00	.0	.0	.0
APR 02...	.0	.00	.0	.00	.00	.0	.00	.00	.0	.0	.0
MAY 07...	.0	.00	.0	.00	.00	.0	.00	.00	.0	.0	.0
JUN 05...	.0	.00	.0	.00	.00	.0	.00	.00	.0	.0	.0
JUL 09...	.0	.00	.0	.00	.00	.0	.00	.00	.0	.0	.0
AUG 13...	.0	.00	.0	.00	.00	.0	.00	.00	.0	.0	.0

DATE	TOXA-PHENE, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	TOTAL TRI-THION (UG/L)	TRI-THION, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	2,4-D, TOTAL (UG/L)	2,4-D, DIS-SOLVED (UG/L)	2,4,5-T TOTAL (UG/L)	2,4,5-T DIS-SOLVED (UG/L)	SILVEX, TOTAL (UG/L)	SILVEX, DIS-SOLVED (UG/L)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)
MAR 05...	0	.00	.0	.12	.01	.00	.00	.00	.00	7.95	.000
APR 02...	0	.00	.0	.03	.04	.00	.00	.01	.01	2.09	.000
MAY 07...	0	.00	.0	.23	.26	.00	.00	.00	.00	3.47	.000
JUN 05...	0	.00	.0	.40	.06	.00	.01	.00	.00	--	--
JUL 09...	0	.00	.0	.20	.18	.02	.02	.00	.00	31.9	3.00
AUG 13...	0	.00	.0	.05	.00	.00	.00	.00	.00	24.9	3.51

DATE	BED MAT. FALL DIAM. % FINER THAN .004 MM	BED MAT. SIEVE DIAM. % FINER THAN .062 MM	BED MAT. SIEVE DIAM. % FINER THAN .125 MM	BED MAT. SIEVE DIAM. % FINER THAN .250 MM	BED MAT. SIEVE DIAM. % FINER THAN .500 MM	BED MAT. SIEVE DIAM. % FINER THAN 1.00 MM
MAR 05...	55	100	100	100	100	100
APR 02...	58	90	99	100	100	100
MAY 07...	54	92	95	99	100	100

301658091440600 BUTTE LA ROSE BAY CANAL WEST OF BUTTE LA ROSE, LA

LOCATION.--Lat 30°16'58", long 91°44'06", in NW¼ sec.11, T.9 S., R.7 E., St. Martin Parish, Hydrologic Unit 08080101, at west limit of Atchafalaya Basin Floodway, 2.1 mi (3.4 km) west of Butte La Rose.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--March 1980 to August 1980 (discontinued).

COOPERATION.--Samples collected by the Corps of Engineers and analyzed by the Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	COLOR (PLAT-INUM COBALT UNITS)	TUR-BID-ITY (JTU)	SETTLE-ABLE MATTER (ML/L/HR)	HARD-NESS (MG/L AS CACO3)	HARD-NESS, NONCAR-BONATE (MG/L CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	SODIUM PERCENT
MAR												
05...	1205	146	6.9	20	35	<1.0	56	1	14	5.0	6.0	18
APR												
02...	1030	149	7.2	--	--	<1.0	53	4	13	4.9	7.1	22
MAY												
07...	0931	110	6.8	50	9	<1.0	47	1	12	4.2	4.1	15
JUN												
05...	0845	111	6.1	70	25	<1.0	41	1	10	3.8	3.6	15
JUL												
09...	0900	190	7.7	60	20	<1.0	72	0	19	5.9	7.4	18
AUG												
13...	1000	206	7.1	40	25	<1.0	98	10	26	8.0	17	27

DATE	SODIUM AD-SORP-TION RATIO	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	BICAR-BONATE (MG/L AS HCO3)	CAR-BONATE (MG/L AS CO3)	ALKA-LINITY (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)	SOLIDS, NON-VOLA-TILE, SUS-PENDED (MG/L)	SOLIDS, VOLA-TILE, SUS-PENDED (MG/L)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRATE DIS-SOLVED (MG/L AS N)
MAR												
05...	.4	2.5	66	0	54	4.3	6.9	--	--	--	.04	.05
APR												
02...	.4	2.4	59	0	48	3.6	10	7	2	5	.10	.10
MAY												
07...	.3	2.4	56	0	46	2.9	5.0	--	--	--	.01	.02
JUN												
05...	.2	2.5	48	0	39	4.2	4.6	8	5	3	.00	.00
JUL												
09...	.4	2.9	99	0	81	1.8	9.5	27	24	3	.00	.03
AUG												
13...	.7	3.5	107	0	88	14	23	--	--	--	.00	.00

DATE	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N)	NITRO-GEN,NH4 TOTAL IN BOT. MAT. (MG/KG AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS NH4)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS NH4)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, ORGANIC DIS-SOLVED (MG/L AS N)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N)
MAR												
05...	.02	.01	.06	.06	.12	.11	.0	.15	.14	.86	.79	.98
APR												
02...	.02	.02	.12	.12	.11	.11	35	.13	.14	.81	.69	.92
MAY												
07...	.01	.01	.02	.03	.10	.00	249	.12	.00	.79	.69	.89
JUN												
05...	.03	.01	.03	.01	.13	.04	90	.16	.05	--	1.2	1.1
JUL												
09...	.00	.00	.00	.03	.09	.10	30	.11	.13	1.1	1.3	1.2
AUG												
13...	.00	.01	.00	.01	.14	.08	30	.17	.10	1.3	1.2	1.4

< Actual value is known to be less than the value shown.

301658091440600 BUTTE LA ROSE BAY CANAL WEST OF BUTTE LA ROSE, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	NITROGEN, NH4 + ORG. SUSP. TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N)	NITROGEN, NH4 + ORG. TOT IN BOT MAT (MG/KG AS N)	NITROGEN, TOTAL (MG/L AS N)	NITROGEN, DISSOLVED (MG/L AS N)	NITROGEN, TOTAL (MG/L AS NO3)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, ORTHOPHOSPHATE TOTAL (MG/L AS PO4)	PHOSPHORUS, TOTAL (MG/L AS PO4)	PHOSPHORUS, DISSOLVED (MG/L AS P)	PHOSPHORUS, ORTHOPHOSPHATE TOTAL (MG/L AS P)	PHOSPHORUS, ORTHOPHOSPHATE DISSOL. (MG/L AS P)
MAR 05...	.08	.90	1010	1.0	.96	4.6	.150	.43	.46	.080	.14	.10
APR 02...	.12	.80	942	1.0	.92	4.6	.220	.55	.67	.100	.18	.06
MAY 07...	.20	.69	1060	.91	.72	4.0	.260	--	.80	.170	--	.19
JUN 05...	--	1.2	880	1.1	1.2	5.0	--	.64	--	.090	.21	.06
JUL 09...	--	1.4	34	1.2	1.4	5.3	.220	.28	.67	.070	.09	.05
AUG 13...	.10	1.3	590	1.4	1.3	6.2	.170	.25	.52	.070	.08	.03

DATE	PHOSPHORUS, ORTHOPHOSPHATE DISSOL. (MG/L AS PO4)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC SUSPENDED TOTAL (UG/L AS AS)	ARSENIC DISSOLVED (UG/L AS AS)	ARSENIC TOTAL IN BOTTOM MATERIAL (UG/G AS AS)	BERYLLIUM, TOTAL RECOVERABLE (UG/L AS BE)	BERYLLIUM, DISSOLVED (UG/L AS BE)	BERYLLIUM, RECOV. FM BOTTOM MATERIAL (UG/G)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CADMIUM SUSPENDED RECOVERABLE (UG/L AS CD)	CADMIUM DISSOLVED (UG/L AS CD)	CADMIUM RECOV. FM BOTTOM MATERIAL (UG/G AS CD)
MAR 05...	.31	2	1	1	10	0	<1	0	0	--	<1	.31
APR 02...	.18	3	2	1	10	0	<1	1	1	0	1	.14
MAY 07...	.58	3	0	3	8	0	<1	1	0	--	<1	.38
JUN 05...	.18	3	0	3	11	0	<1	1	0	--	<1	.14
JUL 09...	.15	4	1	3	12	0	<1	1	0	--	<1	.10
AUG 13...	.09	7	4	3	21	0	<1	0	0	--	<1	.08

DATE	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)	CHROMIUM, SUSPENDED RECOV. (UG/L AS CR)	CHROMIUM, DISSOLVED (UG/L AS CR)	CHROMIUM, RECOV. FM BOTTOM MATERIAL (UG/G)	CHROMIUM, HEXAVALENT, DIS. (UG/L AS CR)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	COPPER, SUSPENDED RECOVERABLE (UG/L AS CU)	COPPER, DISSOLVED (UG/L AS CU)	COPPER, RECOV. FM BOTTOM MATERIAL (UG/G AS CU)	IRON, DISSOLVED (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	LEAD, SUSPENDED RECOVERABLE (UG/L AS PB)
MAR 05...	10	10	0	7	0	18	13	5	16	170	5	0
APR 02...	0	0	0	10	0	1	--	2	29	190	3	3
MAY 07...	0	0	0	9	0	4	2	2	23	310	3	1
JUN 05...	0	0	0	10	0	5	1	4	25	210	2	2
JUL 09...	10	10	0	9	0	41	36	5	21	240	17	13
AUG 13...	0	0	0	9	0	21	15	6	19	20	13	12

< Actual value is known to be less than the value shown.

301658091440600 BUTTE LA ROSE BAY CANAL WEST OF BUTTE LA ROSE, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	LEAD, DIS-SOLVED (UG/L AS PB)	LEAD, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS PB)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MANGA-NESE, SUS-PENDED RECOV. (UG/L AS MN)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	MANGA-NESE, RECOV. FM BOT-TOM MA-TERIAL (UG/G)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	MERCURY SUS-PENDED RECOV-ERABLE (UG/L AS HG)	MERCURY DIS-SOLVED (UG/L AS HG)	MERCURY RECOV. FM BOT-TOM MA-TERIAL (UG/G AS HG)	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI)	NICKEL, SUS-PENDED RECOV-ERABLE (UG/L AS NI)
MAR 05...	5	10	50	30	20	1300	.1	.1	.0	.03	57	55
APR 02...	0	0	60	60	4	840	.0	.0	.0	.05	2	2
MAY 07...	2	20	290	50	240	510	.0	.0	.0	.05	4	0
JUN 05...	0	20	160	100	60	610	.0	.0	.0	.05	7	7
JUL 09...	4	20	380	190	190	620	.0	.0	.0	.03	12	8
AUG 13...	1	40	370	210	160	420	.1	.1	.0	.07	5	3

DATE	NICKEL, DIS-SOLVED (UG/L AS NI)	NICKEL, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS NI)	SELE-NIUM, TOTAL (UG/L AS SE)	SELE-NIUM, SUS-PENDED TOTAL (UG/L AS SE)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)	SELE-NIUM, TOTAL IN BOT-TOM MA-TERIAL (UG/G)	VANA-DIUM, DIS-SOLVED (UG/L AS V)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)	ZINC, SUS-PENDED RECOV-ERABLE (UG/L AS ZN)	ZINC, DIS-SOLVED (UG/L AS ZN)	ZINC, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS ZN)
MAR 05...	2	20	0	0	0	.0	1.0	20	10	6	10
APR 02...	0	20	0	0	0	.0	.0	20	20	<3	64
MAY 07...	4	30	0	0	0	.0	2.0	20	20	4	45
JUN 05...	0	20	0	0	0	.0	3.0	20	20	4	50
JUL 09...	4	20	0	0	0	.0	1.0	40	30	10	44
AUG 13...	2	20	0	0	0	1	1.0	90	60	30	41

DATE	PCB, TOTAL (UG/L)	PCB, DIS-SOLVED (UG/L)	PCB, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	PCN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	ALDRIN, TOTAL (UG/L)	ALDRIN, DIS-SOLVED (UG/L)	ALDRIN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	CHLOR-DANE, TOTAL (UG/L)	CHLOR-DANE, DIS-SOLVED (UG/L)	CHLOR-DANE, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	DDD, TOTAL (UG/L)
MAR 05...	.0	.0	20	.0	.000	.000	.0	.0	.0	0	.000
APR 02...	.0	.0	39	.0	.000	.000	.0	.0	.0	10	.000
MAY 07...	.0	.0	2	.0	.000	.000	.0	.0	.0	0	.000
JUN 05...	.0	.0	6	.0	.000	.000	.0	.0	.0	2	.000
JUL 09...	.0	.0	0	.0	.000	.000	.0	.0	.0	0	.000
AUG 13...	.0	.0	0	.0	.000	.000	.0	.0	.0	0	.000

< Actual value is known to be less than the value shown.

301658091440600 BUTTE LA ROSE BAY CANAL WEST OF BUTTE LA ROSE, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	DDD, DISSOLVED (UG/L)	DDD, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDE, TOTAL (UG/L)	DDE, DISSOLVED (UG/L)	DDE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDT, TOTAL (UG/L)	DDT, DISSOLVED (UG/L)	DDT, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIAZINON, TOTAL (UG/L)	DIAZINON, DISSOLVED (UG/L)	DIAZINON, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIELDRIN TOTAL (UG/L)
MAR												
05...	.000	.0	.000	.000	.0	.000	.000	.0	.00	.02	.0	.001
APR												
02...	.000	3.1	.000	.000	2.6	.000	.000	.0	.00	.01	.0	.000
MAY												
07...	.000	.7	.000	.000	.0	.000	.000	.0	.00	.01	.0	.000
JUN												
05...	.000	1.1	.000	.000	.0	.000	.000	.0	.00	.02	.0	.000
JUL												
09...	.000	.2	.000	.000	.0	.000	.000	.0	.00	.03	.0	.000
AUG												
13...	.000	.0	.000	.000	.0	.000	.000	.0	.00	.05	.0	.000

DATE	DIELDRIN DISSOLVED (UG/L)	DIELDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDOSULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ENDRIN, DISSOLVED (UG/L)	ENDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ETHION, TOTAL (UG/L)	ETHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR, TOTAL (UG/L)	HEPTACHLOR, DISSOLVED (UG/L)	HEPTACHLOR, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR EPOXIDE TOTAL (UG/L)
MAR												
05...	.001	.0	.000	.000	.000	.0	.00	.0	.000	.000	.0	.000
APR												
02...	.004	.0	.000	.000	.000	.0	.00	.0	.000	.000	.0	.000
MAY												
07...	.002	.0	.000	.000	.000	.0	.00	.0	.000	.000	.0	.000
JUN												
05...	.002	.0	.000	.000	.000	.0	.00	.0	.000	.000	.0	.000
JUL												
09...	.000	.0	.000	.000	.000	.0	.00	.0	.000	.000	.0	.000
AUG												
13...	.002	.0	.000	.000	.000	.0	.00	.0	.000	.000	.0	.000

DATE	HEPTACHLOR EPOXIDE DISSOLVED (UG/L)	HEPTACHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE TOTAL (UG/L)	LINDANE DISSOLVED (UG/L)	LINDANE TOTAL IN BOTTOM MATERIAL (UG/KG)	MALATHION, TOTAL (UG/L)	MALATHION, DISSOLVED (UG/L)	MALATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	METHOXYCHLOR, TOTAL (UG/L)	METHOXYCHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARATHION, TOTAL (UG/L)	METHYL PARATHION, DISSOLVED (UG/L)
MAR												
05...	.000	.0	.000	.000	.0	.00	.00	.0	.00	.0	.00	.00
APR												
02...	.000	.0	.000	.000	.0	.00	.00	.0	.00	.0	.00	.00
MAY												
07...	.000	.0	.000	.000	.0	.00	.00	.0	.00	.0	.00	.00
JUN												
05...	.000	.0	.000	.000	.0	.00	.00	.0	.00	.0	.00	.00
JUL												
09...	.000	.0	.000	.000	.0	.00	.00	.0	.00	.0	.00	.00
AUG												
13...	.000	.0	.000	.000	.0	.00	.00	.0	.00	.0	.00	.00

301658091440600 BUTTE LA ROSE BAY CANAL WEST OF BUTTE LA ROSE, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	METHYL PARA-THION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRI-THION, TOTAL (UG/L)	METHYL TRI-THION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, TOTAL (UG/L)	MIREX, DIS-SOLVED (UG/L)	MIREX, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	PARA-THION, TOTAL (UG/L)	PARA-THION, DIS-SOLVED (UG/L)	PARA-THION, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	TOX-APHENE, TOTAL (UG/L)	TOX-APHENE, DIS-SOLVED (UG/L)
MAR 05...	.0	.00	.0	.00	.00	.0	.00	.00	.0	.0	.0
APR 02...	.0	.00	.0	.00	.00	.0	.00	.00	.0	.0	.0
MAY 07...	.0	.00	.0	.00	.00	.0	.00	.00	.0	.0	.0
JUN 05...	.0	.00	.0	.00	.00	.0	--	.00	.0	.0	.0
JUL 09...	.0	.00	.0	.00	.00	.0	.00	.00	.0	.0	.0
AUG 13...	.0	.00	.0	.00	.00	.0	.00	.00	.0	.0	.0

DATE	TOXA-PHENE, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	TOTAL TRI-THION (UG/L)	TRI-THION, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	2,4-D, TOTAL (UG/L)	2,4-D, DIS-SOLVED (UG/L)	2,4,5-T TOTAL (UG/L)	2,4,5-T DIS-SOLVED (UG/L)	SILVEX, TOTAL (UG/L)	SILVEX, DIS-SOLVED (UG/L)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)
MAR 05...	0	.00	.0	.05	.07	.00	.00	.00	.00	6.48	.000
APR 02...	0	.00	.0	.10	.08	.00	.00	.01	.01	4.26	.000
MAY 07...	0	.00	.0	.15	.21	.00	.00	.00	.00	1.72	.000
JUN 05...	0	.00	.0	.03	.11	.02	.01	.00	.00	2.00	.000
JUL 09...	0	.00	.0	.15	.20	.01	.01	.00	.00	11.9	.000
AUG 13...	0	.00	.0	.01	.06	.00	.00	.00	.00	30.4	2.93

DATE	BED MAT. FALL DIAM. % FINER THAN .004 MM	BED MAT. SIEVE DIAM. % FINER THAN .062 MM	BED MAT. SIEVE DIAM. % FINER THAN .125 MM	BED MAT. SIEVE DIAM. % FINER THAN .250 MM	BED MAT. SIEVE DIAM. % FINER THAN .500 MM	BED MAT. SIEVE DIAM. % FINER THAN 1.00 MM
MAR 05...	20	66	74	89	92	93
APR 02...	30	80	89	94	94	95
MAY 07...	20	75	84	93	94	94

07381800 SPRING CREEK NEAR GLENMORA, LA

LOCATION.--Lat 31°00'10", long 92°34'10", in SE¼NE¼ sec.4, T.1 S., R.2 W., Rapides Parish, Louisiana meridian, Hydrologic Unit 08080102, near right bank on downstream side of bridge on U.S. Highway 165, 0.2 mi (0.3 km) upstream from Missouri Pacific Railroad Co. bridge, 2.0 mi (3.2 km) north of Glenmora, and 7.9 mi (12.7 km) upstream from mouth.
DRAINAGE AREA.--68.4 mi^2 (177.2 km^2).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--Water-years 1954-56 (annual maximum), March 1956 to current year.
REVISED RECORDS.--WRD LA 1974: 1962(M), 1964(M), 1965(P), 1966(M), 1967-68(P), 1971-72(M), 1973(P).
GAGE.--Water-stage recorder. Datum of gage is 63.28 ft (19.288 m) National Geodetic Vertical Datum of 1929. Oct. 23, 1953, to Mar. 6, 1956, crest-stage gage at same site and datum.
REMARKS.--Records good. Records of dissolved oxygen and water temperatures for water year 1980 are published under miscellaneous water-quality sites in this report.
AVERAGE DISCHARGE.--24 years, 92.4 ft^3/s (2.618 m^3/s), 18.34 in/yr (466 mm/yr), 66,940 acre-ft/yr (82.5 hm^3/yr).
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 6,920 ft^3/s (196 m^3/s), Sept. 20, 1979, gage height, 17.55 ft (5.349 m); minimum, 27 ft^3/s (0.76 m^3/s) Sept. 20, Oct. 4, 5, 6, 1970; minimum gage height, 4.55 ft (1.387 m) Oct. 4, 5, 6, 1970.
EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage since 1886, 20.50 ft (6.248 m) in May 1953; flood of June 1886 was similar, from floodmarks and information by local residents.
EXTREMES FOR CURRENT YEAR.--Peak discharge above base of 1,100 ft^3/s (31 m^3/s) and maximum (*):

Date	Time	Discharge (ft^3/s)	Discharge (m^3/s)	Gage height (ft)	Gage height (m)
Dec. 12	2400	*5270	149	*16.61	5.063
Jan. 23	1430	1300	36.8	13.59	4.142
Feb. 10	0300	1140	32.3	13.29	4.051
Mar. 28	unknown	1320	37.4	a13.62	4.151
Apr. 12	0015	2050	58.1	14.47	4.410

a From floodmark.

Minimum discharge, 39 ft^3/s (1.104 m^3/s) Sept. 23, 24, 26, 27-28, 29; minimum gage height, 4.91 ft (1,497 m) Sept. 27, 28, 29.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	59	126	66	69	100	113	160	80	63	51	46	42
2	58	66	63	68	87	131	136	98	62	51	46	42
3	57	56	61	68	78	90	217	88	61	51	45	42
4	56	52	60	68	74	88	137	78	60	50	45	41
5	55	51	59	66	72	77	103	74	60	50	45	43
6	55	50	59	65	72	75	91	72	60	50	45	46
7	54	49	58	65	69	72	92	71	60	50	44	47
8	54	49	57	65	74	71	84	71	59	52	44	48
9	53	54	56	66	687	70	78	70	59	50	44	45
10	52	62	55	66	1050	69	75	68	58	49	45	43
11	51	61	55	127	472	68	74	68	58	49	44	42
12	51	53	1280	143	143	68	1420	67	57	49	44	42
13	51	51	2960	91	109	67	1520	66	57	48	44	43
14	51	50	1320	74	95	66	1040	66	56	48	44	42
15	50	50	337	69	88	66	232	68	56	48	44	41
16	50	49	147	67	88	130	143	391	55	47	43	41
17	50	49	112	66	85	140	117	250	55	49	43	41
18	50	49	97	65	83	90	142	187	55	50	44	41
19	50	49	90	64	80	110	128	134	55	49	43	41
20	50	49	85	63	77	120	106	94	59	49	43	41
21	49	48	80	62	75	82	95	84	57	60	43	41
22	98	194	79	383	73	78	87	80	56	62	42	40
23	120	745	78	1180	71	75	83	74	57	51	42	40
24	61	653	125	796	69	90	81	71	55	48	42	41
25	55	323	172	161	68	110	101	69	54	47	42	40
26	52	265	103	119	66	115	217	67	54	47	42	40
27	50	128	83	110	66	110	221	68	53	47	42	39
28	49	89	77	97	66	1150	107	82	54	50	43	39
29	49	75	74	86	73	400	88	69	53	48	42	41
30	49	69	73	82	---	600	81	65	52	47	42	49
31	163	---	70	95	---	260	---	64	---	46	42	---
TOTAL	1852	3714	8091	4666	4310	4851	7256	2954	1710	1543	1349	1266
MEAN	59.7	124	261	151	149	156	242	95.3	57.0	49.8	43.5	42.2
MAX	163	745	2960	1180	1050	1150	1520	391	63	62	46	49
MIN	49	48	55	62	66	66	74	64	52	46	42	39
CFSM	.87	1.82	3.82	2.21	2.18	2.28	3.54	1.40	.84	.73	.64	.62
IN.	1.01	2.02	4.41	2.54	2.35	2.64	3.95	1.61	.93	.84	.73	.69
AC-FT	3670	7370	16050	9260	8550	9620	14390	5860	3390	3060	2680	2510

CAL YR 1979 TOTAL 47226 MEAN 129 MAX 3220 MIN 39 CFSM 1.89 IN 25.72 AC-FT 93670
WTR YR 1980 TOTAL 43562 MEAN 119 MAX 2960 MIN 39 CFSM 1.74 IN 23.73 AC-FT 86410

07381800 SPRING CREEK NEAR GLENMORA, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.41	6.58	5.62	5.58	6.13	6.35	---	5.78	5.44	5.18	5.06	4.98
2	5.39	5.62	5.56	5.56	5.92	6.60	6.67	6.08	5.42	5.17	5.06	4.97
3	5.37	5.39	5.52	5.56	5.75	5.96	7.83	5.94	5.41	5.17	5.05	4.97
4	5.35	5.32	5.49	5.54	5.67	---	6.68	5.75	5.39	5.16	5.05	4.96
5	5.33	5.28	5.46	5.51	5.64	---	6.18	5.68	5.38	5.15	5.04	4.99
6	5.32	5.26	5.47	5.49	5.64	---	5.99	5.64	5.38	5.15	5.04	5.10
7	5.31	5.25	5.44	5.50	5.58	---	5.99	5.62	5.37	5.15	5.03	5.08
8	5.30	5.25	5.41	5.50	5.66	---	5.86	5.62	5.36	5.20	5.02	5.11
9	5.29	5.35	5.39	5.51	11.46	---	5.76	5.59	5.35	5.14	5.03	5.03
10	5.26	5.54	5.38	5.50	13.06	---	5.71	5.56	5.33	5.14	5.05	5.00
11	5.26	5.50	5.38	6.53	10.06	---	5.68	5.54	5.32	5.13	5.03	4.98
12	5.25	5.34	9.27	6.77	6.78	---	12.60	5.52	5.31	5.13	5.02	4.98
13	5.26	5.29	15.10	5.99	6.28	---	13.91	5.52	5.31	5.12	5.02	4.99
14	5.24	5.27	13.55	5.69	6.05	---	12.86	5.52	5.30	5.11	5.01	4.99
15	5.23	5.26	9.00	5.58	5.93	---	8.03	5.54	5.29	5.10	5.01	4.97
16	5.23	5.25	6.82	5.53	5.94	---	6.77	9.33	5.28	5.09	5.00	4.95
17	5.23	5.24	6.33	5.52	5.88	---	6.40	8.29	5.27	5.13	5.01	4.95
18	5.22	5.25	6.09	5.50	5.85	---	6.76	7.40	5.27	5.15	5.01	4.95
19	5.22	5.24	5.96	5.46	5.79	---	6.56	6.64	5.28	5.12	5.01	4.95
20	5.22	5.23	5.88	5.45	5.74	---	6.24	6.03	5.35	5.12	5.00	4.95
21	5.21	5.23	5.81	5.43	5.69	---	6.04	5.87	5.31	5.36	4.99	4.95
22	6.02	7.46	5.78	8.74	5.66	---	5.92	5.79	5.29	5.42	4.99	4.94
23	6.40	12.09	5.76	13.33	5.62	---	5.84	5.68	5.32	5.18	4.98	4.93
24	5.41	11.54	6.51	11.86	5.59	---	5.81	5.62	5.28	5.11	4.97	4.96
25	5.28	9.31	7.19	7.03	5.55	---	6.12	5.58	5.25	5.09	4.97	4.94
26	5.24	8.52	6.18	6.42	5.52	---	7.83	5.54	5.24	5.08	4.97	4.93
27	5.21	6.62	5.86	6.29	5.51	---	7.88	5.55	5.23	5.09	4.98	4.92
28	5.20	6.05	5.73	6.09	5.51	---	6.24	5.81	5.24	5.16	5.00	4.92
29	5.20	5.82	5.69	5.91	5.65	---	5.93	5.57	5.21	5.12	4.98	4.96
30	5.21	5.70	5.65	5.83	---	---	5.82	5.49	5.19	5.08	4.98	5.13
31	7.06	---	5.61	6.06	---	---	---	5.46	---	5.07	4.98	---
MEAN	5.39	6.20	6.58	6.33	6.38	---	---	5.95	5.31	5.15	5.01	4.98
MAX	7.06	12.09	15.10	13.33	13.06	---	---	9.33	5.44	5.42	5.06	5.13
MIN	5.20	5.23	5.38	5.43	5.51	---	---	5.46	5.19	5.07	4.97	4.92

07381800 SPRING CREEK NEAR GLENMORA, LA--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1960, 1966-69, 1980.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE, WATER (DEG C)	COLOR (PLAT- INUM CORALT UNITS)	TUR- BID- ITY (JTU)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARD- NESS (MG/L AS CACO3)	HARD- NESS, NONCAR- BONATE (MG/L CACO3)
NOV 05...	1600	43	6.1	15.0	30	6	8.8	.6	120	9600	8	0
JAN 07...	1430	43	6.3	14.5	20	5	9.6	1.2	K50	K25	9	0
APR 18...	1030	40	6.3	17.5	60	10	9.7	2.8	--	700	7	0
JUL 14...	1100	47	6.5	23.5	10	3	7.5	--	K95	860	9	0

DATE	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM AD- SORP- TION RATIO	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	BICAR- BONATE (MG/L AS HCO3)	CAR- BONATE (MG/L AS CO3)	ALKA- LINITY (MG/L AS CACO3)	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO2)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)
NOV 05...	2.0	.7	4.5	58	.7	1.6	16	0	13	21	2.3	3.8
JAN 07...	2.1	1.0	5.0	62	.7	1.2	16	0	13	13	1.8	3.9
APR 18...	1.9	.5	4.0	51	.7	1.2	13	0	11	11	1.7	3.9
JUL 14...	2.2	.8	5.5	53	.8	1.5	18	0	15	9.3	.8	4.8

DATE	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS NO3)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS TOTAL (MG/L AS PO4)
NOV 05...	.0	24	50	47	.07	.09	.45	.54	2.4	.020	.06
JAN 07...	.1	25	47	48	.06	.08	.31	.39	1.7	.020	.06
APR 18...	.1	20	41	39	.06	.12	.57	.69	3.1	.030	.09
JUL 14...	.2	28	52	53	.07	.06	.59	.65	2.9	.040	.12

K Results based on colony count outside the acceptable range (non-ideal count).

07381800 SPRING CREEK NEAR GLENMORA, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	ARSENIC DIS- SOLVED (UG/L AS AS)	ARSENIC TOTAL IN BOT- TOM MA- TERIAL (UG/G AS AS)	CADMIUM DIS- SOLVED (UG/L AS CD)	CADMIUM RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CD)	CHRO- MIUM, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	CHRO- MIUM, HEXA- VALENT, DIS. (UG/L AS CR)	COPPER, DIS- SOLVED (UG/L AS CU)	COPPER, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CU)	IRON, DIS- SOLVED (UG/L AS FE)	IRON, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS FE)	LEAD, DIS- SOLVED (UG/L AS PB)	LEAD, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS PB)
NOV												
05...	1	0	1	0	1	0	3	0	130	400	0	0

DATE	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MANGA- NESE, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	MERCURY RECOV. FM BOT- TOM MA- TERIAL (UG/G AS HG)	ZINC, DIS- SOLVED (UG/L AS ZN)	ZINC, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	PCB, TOTAL (UG/L)	PCB, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	NAPH- THA- LENES, POLY- CHLOR. TOTAL (UG/L)
NOV												
05...	60	20	.1	.00	10	2	2.7	.00	5	.0	0	.00

DATE	PCN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	CHLOR- DANE, TOTAL (UG/L)	CHLOR- DANE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDE, TOTAL (UG/L)	DDE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- AZINON, TOTAL (UG/L)
NOV												
05...	0	.00	.0	.0	0	.00	.0	.00	.0	.00	.0	.01

DATE	DI- AZINON, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- ELDRIN TOTAL (UG/L)	DI- ELDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ENDO- SULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ENDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ETHION, TOTAL (UG/L)	ETHION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR, TOTAL (UG/L)	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR EPOXIDE TOTAL (UG/L)	HEPTA- CHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)
NOV												
05...	.0	.00	.0	.00	.00	.0	.00	.0	.00	.0	.00	.0

DATE	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	MALA- THION, TOTAL (UG/L)	MALA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	METH- OXY- CHLOR, TOTAL (UG/L)	METH- OXY- CHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARA- THION, TOTAL (UG/L)	METHYL PARA- THION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRI- THION, TOTAL (UG/L)	METHYL TRI- THION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, TOTAL (UG/L)
NOV											
05...	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00

DATE	MIREX, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	PARA- THION, TOTAL (UG/L)	PARA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	PER- THANE TOTAL (UG/L)	TOX- APHENE, TOTAL (UG/L)	TOXA- PHENE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL TRI- THION (UG/L)	TRI- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	2,4-D, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
NOV											
05...	.0	.00	.0	.00	0	0	.00	.0	.01	.00	.00

07381950 COCODRIE LAKE NEAR CLEARWATER, LA

LOCATION.--Lat 31°00'00", long 92°22'57", in SE¼NE¼ sec.5, T.1 S., R.1 E., Louisiana meridian, Rapides Parish, Hydrologic Unit 08080102, at center of drawdown structure, 50 ft (15 m) upstream from spillway, 1,000 ft (305 m) upstream from U.S. Highway 167, 0.9 mi (1.4 km) downstream from Chicago, Rock Island and Pacific Railroad Co. bridge, 1.5 mi (2.4 km) east of Clearwater, and 4.0 mi (6.4 km) downstream from Hurricane Creek.

DRAINAGE AREA.--240 mi² (622 km²).

PERIOD OF RECORD.--September 1959 to September 1967 and September 1970 to April 1980 (gage heights only), discontinued.

GAGE.--Water-stage recorder. Datum of gage is 40.00 ft (12.192 m) above mean Gulf level (levels by Corps of Engineers), and 39.57 ft (12.061 m) National Geodetic Vertical Datum of 1929 (levels by Louisiana Department of Transportation and Development, Office of Public Works).

REMARKS.--Reservoir is formed on Bayou Cocodrie by earthfill dam completed in 1959. Storage began Jan. 23, 1960. The dam contains a 100-ft (30.5-m) concrete spillway. The crest of the spillway is 11.44 ft (3.487 m) gage height. Drawdown structure consists of one 4.0-ft (1.2-m) pipe with a metal gate that can be varied from 1.44 to 5.44 ft (0.439 to 1.658 m) gage height. Invert of pipe is 1.44 ft (0.439 m) gage height. Usable capacity, 11,000 acre-ft (13.6 hm³). Reservoir is used for recreation. Flow for Bayou Cocodrie (sta 07382000) is outflow of reservoir.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 20.64 ft (6.291 m) Mar. 26, 1973; minimum not determined.

EXTREMES FOR CURRENT YEAR.--Maximum gage height during period October 1979 to April 1980, 19.92 ft (6.072 m) Mar. 31; minimum, 12.16 ft (3.706 m) Nov. 21, 22.

GAGE HEIGHT (FEET ABOVE DATUM), OCTOBER 1979 TO APRIL 1980
INSTANTANEOUS OBSERVATIONS AT 0600

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	17.99	12.74	15.26	13.98	14.44	12.84	19.78					
2	17.75	12.81	15.04	13.77	14.24	12.96	19.52					
3	17.51	12.76	14.81	13.55	14.04	13.06	19.30					
4	17.27	12.67	14.59	13.39	13.82	13.02	19.08					
5	17.01	12.59	14.36	13.19	13.62	12.95	18.82					
6	16.75	12.52	14.14	13.02	13.43	12.86	18.57					
7	16.51	12.45	13.92	12.90	13.22	12.79	18.34					
8	16.26	12.39	13.70	12.79	13.06	12.73	18.11					
9	16.01	12.34	13.48	12.80	13.46	12.65	17.85					
10	15.77	12.60	13.27	12.81	14.96	12.60	17.59					
11	15.54	12.64	13.08	12.97	15.77	12.54	17.35					
12	15.28	12.60	12.94	13.33	15.92	12.51	17.63					
13	15.03	12.56	13.32	13.56	15.78	12.46	19.09					
14	14.78	12.50	15.99	13.51	15.59	12.40	19.66					
15	14.54	12.43	16.68	13.36	15.36	12.36	19.61					
16	14.30	12.38	16.75	13.20	15.16	12.32	19.38					
17	14.05	12.33	16.58	13.05	14.96	12.56	19.12					
18	13.81	12.29	16.38	12.94	14.76	13.12	18.92					
19	13.58	12.24	16.17	12.85	14.56	13.38	18.70					
20	13.36	12.20	15.97	12.76	14.35	13.43	18.47					
21	13.14	12.17	15.76	12.68	14.16	13.51	18.23					
22	12.98	12.36	15.54	12.69	13.92	13.66	17.98					
23	13.01	13.41	15.32	14.12	13.70	13.67	17.74					
24	12.93	15.07	15.30	15.33	13.48	13.61	17.49					
25	12.83	15.79	15.24	15.67	13.27	13.47	17.24					
26	12.73	16.01	15.15	15.59	13.08	13.39	17.55					
27	12.64	16.04	14.98	15.41	12.96	13.44	17.53					
28	12.56	15.92	14.79	15.21	12.85	15.06	17.36					
29	12.49	15.70	14.60	15.02	12.76	16.83	17.13					
30	12.42	15.48	14.40	14.82	---	19.44	16.89					
31	12.65	---	14.19	14.63	---	19.92	---					
MEAN	14.63	13.27	14.89	13.71	14.16	13.60	18.33					
MAX	17.99	16.04	16.75	15.67	15.92	19.92	19.78					
MIN	12.42	12.17	12.94	12.68	12.76	12.32	16.89					

07382000 BAYOU COCODRIE NEAR CLEARWATER, LA

LOCATION.--Lat 31°00'00", long 92°22'46", in NW¼SW¼ sec.4, T.1 S., R.1 E., Louisiana meridian, Evangeline Parish, Hydrologic Unit 08080102, near right bank on downstream side of bridge on U.S. Highway 167, 1,000 ft (305 m) downstream from Cocodrie Lake dam, 1.0 mi (1.6 km) downstream from Chicago, Rock Island and Pacific Railroad Co. bridge, 1.5 mi (2.4 km) east of Clearwater, 4.0 mi (6.4 km) south of Meeker, and 5.0 mi (8.0 km) downstream from Hurricane Creek.

DRAINAGE AREA.--240 mi² (622 km²).

PERIOD OF RECORD.--May 1922 to January 1925 (published as "near Meeker"), October 1937 to current year. Monthly discharge only for October 1937 published in WSP 1311.

REVISED RECORDS.--WSP 1211: 1938, drainage area. WDR LA-75-1: 1974.

GAGE.--Water-stage recorder. Datum of gage is 40.00 ft (12.192 m) above mean Gulf level (levels by Corps of Engineers), and 39.57 ft (12.061 m) National Geodetic Vertical Datum of 1929 (levels by Louisiana Department of Transportation and Development, Office of Public Works). See WSP 1731 for history of changes prior to Mar. 28, 1940. Since Jan. 23, 1965, auxiliary nonrecording gage 6.6 mi (10.6 km) downstream from base gage at datum 35.10 ft (10.698 m) National Geodetic Vertical Datum of 1929.

REMARKS.--Records good. Slight regulation at low flow by Cocodrie Lake (station 07381950). Records of dissolved oxygen and water temperatures for water year 1980 are published under miscellaneous water-quality sites in this report.

AVERAGE DISCHARGE.--45 years (water years 1923-24, 1938-80), 419 ft³/s (11.87 m³/s), 23.71 in/yr (602 mm/yr), 303,600 acre-ft/yr (374 hm³/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 28,200 ft³/s (799 m³/s) May 18, 1953, gage height, 26.72 ft (8.144 m); reverse flow Nov. 13-15, 1922, probably caused by heavy rains in basin below station; minimum discharge, 41 ft³/s (1.16 m³/s) Oct. 17, 1978, regulated.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 2,020 ft³/s (57.2 m³/s) Mar. 31, gage height, 19.83 ft (6.044 m); minimum discharge, 76 ft³/s (2.15 m³/s) Sept. 24, 25, gage height, 5.20 ft (1.585 m), regulated.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1390	525	1010	710	800	684	1950	1190	691	139	139	103
2	1340	545	980	690	760	657	1830	1160	663	134	138	101
3	1300	516	953	670	720	700	1740	1140	636	128	138	98
4	1260	467	925	640	690	683	1650	1110	607	121	138	95
5	1230	417	897	620	670	644	1580	1080	577	115	137	93
6	1190	371	871	600	630	590	1520	1050	710	110	135	92
7	1160	327	845	580	600	546	1470	1020	640	148	134	92
8	1130	293	818	560	570	505	1420	994	580	160	134	92
9	1100	303	792	540	580	459	1370	965	530	155	134	93
10	1070	487	761	520	900	420	1330	936	480	142	135	91
11	1040	474	719	500	1040	384	1290	906	440	120	134	90
12	1010	446	675	580	1080	355	1410	877	400	112	133	88
13	978	403	833	600	1070	326	1700	850	350	102	132	85
14	946	359	1130	590	1050	294	1850	825	310	94	132	87
15	916	319	1190	570	1030	270	1860	800	280	95	131	85
16	886	296	1190	550	1000	296	1770	862	240	110	130	82
17	857	261	1170	530	980	548	1680	1030	220	142	130	80
18	829	230	1150	510	940	695	1610	1100	200	142	130	79
19	800	219	1120	506	921	765	1550	1110	185	142	128	78
20	769	203	1080	490	900	730	1500	1100	170	142	127	79
21	727	189	1050	480	874	780	1450	1090	165	142	126	78
22	703	413	1010	700	848	824	1400	1120	160	142	124	78
23	668	454	980	920	821	822	1350	1140	150	142	123	77
24	611	858	940	980	792	814	1310	1120	145	142	121	76
25	550	996	910	1000	756	796	1290	1090	140	141	120	76
26	487	1090	880	980	700	791	1330	1060	138	140	118	77
27	429	1110	850	960	629	831	1320	1030	135	140	116	78
28	381	1090	820	930	566	966	1290	1010	145	141	114	78
29	337	1060	790	900	523	1270	1250	979	143	141	112	78
30	317	1040	760	870	---	1820	1220	950	141	140	109	89
31	520	---	740	840	---	2020	---	920	---	139	106	---
TOTAL	26931	15835	28839	21110	23400	22202	45290	31614	11371	4119	3958	2548
MEAN	869	528	930	681	807	716	1510	1020	379	133	128	84.9
MAX	1390	1110	1190	1000	1080	2020	1950	1190	691	160	139	103
MIN	317	189	675	480	523	270	1220	800	135	94	106	76
CFSM	3.62	2.20	3.88	2.84	3.36	2.98	6.29	4.25	1.58	.55	.53	.35
IN.	4.17	2.45	4.47	3.27	3.63	3.44	7.02	4.90	1.76	.64	.61	.40
AC-FT	53420	31410	57200	41870	46410	44040	89830	62710	22550	8170	7850	5050

CAL YR 1979 TOTAL 225870 MEAN 619 MAX 2200 MIN 119 CFSM 2.58 IN 35.01 AC-FT 448000
WTR YR 1980 TOTAL 237237 MEAN 648 MAX 2020 MIN 76 CFSM 2.70 IN 36.77 AC-FT 470600

NOTE.--No gage-height record Dec. 18 to Feb. 18, June 6 to July 13.

07382000 BAYOU COCODRIE NEAR CLEARWATER, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	17.88	10.78	15.11	---	---	11.49	19.70	16.57	14.31	---	6.28	5.67
2	17.63	10.90	14.87	---	---	12.01	19.46	16.35	13.88	---	6.26	5.63
3	17.38	10.61	14.64	---	---	12.40	19.24	16.16	13.63	---	6.26	5.58
4	17.12	10.12	14.41	---	---	12.24	19.01	15.94	13.38	---	6.26	5.54
5	16.87	9.62	14.18	---	---	11.88	18.77	15.70	13.10	---	6.25	5.50
6	16.62	9.16	13.95	---	---	11.35	18.52	15.46	---	---	6.22	5.48
7	16.37	8.72	13.72	---	---	10.91	18.29	15.22	---	---	6.20	5.48
8	16.12	8.36	13.48	---	---	10.50	18.04	14.98	---	---	6.20	5.49
9	15.88	9.28	13.23	---	---	10.04	17.79	14.74	---	---	6.20	5.50
10	15.63	10.32	12.96	---	---	9.65	17.53	14.50	---	---	6.21	5.47
11	15.37	10.19	12.58	---	---	9.29	17.28	14.25	---	---	6.20	5.45
12	15.11	9.89	12.18	---	---	9.00	17.94	14.01	---	---	6.19	5.40
13	14.85	9.48	14.01	---	---	8.71	19.13	13.77	---	---	6.17	5.35
14	14.59	9.04	16.08	---	---	8.37	19.52	13.54	---	5.52	6.16	5.39
15	14.33	8.64	16.63	---	---	8.10	19.53	13.31	---	5.53	6.15	5.35
16	14.08	8.32	16.63	---	---	8.35	19.32	14.03	---	5.93	6.14	5.30
17	13.83	7.99	16.49	---	---	11.71	19.08	15.31	---	6.33	6.13	5.27
18	13.57	7.72	---	---	---	13.04	18.87	15.86	---	6.34	6.13	5.25
19	13.31	7.47	---	---	14.38	13.26	18.65	15.95	---	6.33	6.10	5.24
20	13.03	7.26	---	---	14.20	13.32	18.42	15.89	---	6.33	6.08	5.25
21	12.65	7.05	---	---	13.98	13.40	18.18	15.81	---	6.34	6.07	5.23
22	12.43	9.56	---	---	13.74	13.53	17.92	16.04	---	6.33	6.04	5.23
23	12.11	13.67	---	---	13.50	13.51	17.67	16.17	---	6.34	6.02	5.22
24	11.56	15.10	---	---	13.24	13.43	17.42	16.02	---	6.33	5.99	5.21
25	10.95	15.75	---	---	12.91	13.27	17.29	15.80	---	6.32	5.96	5.21
26	10.32	15.94	---	---	12.48	13.23	17.54	15.57	---	6.31	5.93	5.22
27	9.76	15.94	---	---	11.74	13.58	17.48	15.32	---	6.30	5.90	5.23
28	9.26	15.78	---	---	11.11	15.44	17.29	15.09	---	6.32	5.87	5.24
29	8.82	15.56	---	---	10.68	17.43	17.06	14.86	---	6.31	5.83	5.24
30	8.62	15.34	---	---	---	19.42	16.82	14.62	---	6.30	5.77	5.44
31	10.65	---	---	---	---	19.81	---	14.37	---	6.29	5.72	---
MEAN	13.76	10.78	---	---	---	12.31	18.29	15.20	---	---	6.09	5.37
MAX	17.88	15.94	16.63	---	---	19.81	19.70	16.57	14.31	---	6.28	5.67
MIN	8.62	7.05	---	---	10.68	8.10	16.82	13.31	---	5.52	5.72	5.21

07382495 BAYOU COURTABLEAU NEAR WASHINGTON, LA

LOCATION.--Lat 30°38'53", long 92°03'40", in NW¼ lot 7, T.5 S., R.4 E., Louisiana meridian, St. Landry Parish, Hydrologic Unit 08080102, on left bank, 0.3 mi (0.5 km) downstream from confluence of Bayou Cocodrie and Bayou Boeuf, 2.0 mi (3.2 km) northwest of Washington, and 3.4 mi (5.5 km) upstream from gaging station Bayou Courtableau at Washington (station 07382500).

DRAINAGE AREA.--701 mi² (1,816 km²). See REMARKS.

PERIOD OF RECORD.--October 1975 to current year (gage heights only). Unpublished records, July 1946 to September 1975, available in files of Baton Rouge district office.

GAGE.--Water-stage recorder. Datum of gage is at mean low Gulf level (Corps of Engineers bench mark). Prior to Feb. 28, 1949, nonrecording gage 0.1 mi (0.2 km) upstream at same datum.

REMARKS.--Some flow diverted from Bayou Boeuf into Chatlin Lake Canal through Bayou Lamourie. Since April 1952, floodflow is diverted from 76.1 mi² (197.1 km²) in Bayou Rapides basin into Bayou Boeuf when stage of Red River makes it necessary to close gates at mouth of Bayou Rapides. In extreme floods, considerable flow bypasses the station.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 32.31 ft (9.848 m) Apr. 4, 1980; minimum, not determined.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum gage height since July 1946, 38.65 ft (11.781 m) May 19, 1953.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 32.31 ft (9.848 m) Apr. 4; minimum, 11.73 ft (3.575 m) Sept. 29.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	25.77	18.76	26.75	19.10	22.35	24.34	31.58	25.98	19.47	14.15	13.00	12.24
2	25.34	19.96	25.81	18.78	21.65	25.65	31.95	24.78	19.02	13.90	12.96	12.22
3	24.43	19.12	24.35	18.68	20.90	25.10	32.23	23.74	19.03	13.61	12.92	12.21
4	23.08	18.00	22.41	18.55	20.24	23.42	32.30	22.49	19.01	13.36	12.91	12.24
5	21.54	17.12	20.66	18.65	20.26	21.28	32.28	21.38	18.83	13.16	12.90	12.26
6	20.41	16.44	19.69	18.66	19.52	19.53	32.17	20.76	18.69	12.95	12.85	12.28
7	19.76	16.04	19.24	18.57	18.90	18.77	32.02	20.39	18.53	12.71	12.76	12.33
8	19.34	15.98	18.91	19.20	18.44	18.23	31.79	20.03	18.34	12.55	12.71	12.37
9	19.02	15.95	18.64	21.27	23.16	17.77	---	19.84	18.10	12.54	12.68	12.38
10	19.04	17.36	18.38	21.05	26.63	17.18	---	19.57	17.72	12.54	12.70	12.39
11	18.63	18.01	18.10	25.19	27.18	16.76	---	19.30	17.31	12.55	12.74	12.44
12	18.27	18.65	17.96	26.59	27.46	16.77	---	19.01	16.85	12.52	12.70	12.50
13	18.51	17.30	21.59	26.37	27.47	16.84	31.07	18.98	16.45	12.53	12.59	12.49
14	18.76	16.52	26.22	25.46	27.30	16.75	31.22	19.10	16.08	12.48	12.48	12.46
15	18.74	16.13	26.79	23.86	26.90	16.66	31.32	19.12	15.66	12.24	12.42	12.40
16	18.04	16.13	27.04	21.99	26.25	16.45	31.35	23.38	15.20	12.03	12.36	12.30
17	17.51	16.00	27.04	21.25	25.36	19.88	31.32	27.21	14.80	11.89	12.34	12.26
18	17.18	15.84	26.90	21.42	23.88	24.61	31.27	27.81	14.53	11.83	12.39	12.16
19	17.07	15.63	26.69	20.49	22.05	24.72	31.18	28.88	14.35	11.99	12.34	12.03
20	16.71	15.36	26.37	19.43	20.40	24.28	31.06	28.20	14.58	11.95	12.29	11.96
21	16.32	15.13	25.83	18.52	19.50	25.35	30.88	28.16	15.30	11.97	12.24	11.93
22	16.45	15.47	24.99	19.34	19.10	25.49	30.61	28.73	15.33	12.09	12.20	11.88
23	17.95	23.16	23.90	25.08	18.88	24.74	30.22	29.08	15.40	12.34	12.17	11.82
24	18.20	26.02	24.61	26.05	18.55	23.71	29.72	28.63	15.75	12.44	12.13	11.82
25	17.98	26.87	24.88	26.36	18.18	22.37	29.18	28.62	15.56	12.64	12.14	11.86
26	17.06	27.41	24.54	26.47	18.31	21.59	28.74	28.06	15.16	12.73	12.19	11.88
27	16.19	27.65	23.59	26.38	18.35	25.52	28.42	27.28	15.08	12.83	12.22	11.83
28	15.64	27.73	22.13	26.10	17.58	28.37	28.05	26.32	14.88	12.94	12.26	11.77
29	15.30	27.63	20.87	25.49	17.98	29.44	27.45	24.81	14.62	13.00	12.23	11.75
30	15.22	27.31	20.12	24.44	---	30.58	26.89	22.69	14.37	13.03	12.22	11.86
31	15.62	---	19.61	23.24	---	31.12	---	20.70	---	13.01	12.27	---
MEAN	18.67	19.52	23.05	22.32	21.82	22.36	---	23.94	16.47	12.66	12.49	12.16
MAX	25.77	27.73	27.04	26.59	27.47	31.12	32.30	29.08	19.47	14.15	13.00	12.50
MIN	15.22	15.13	17.96	18.52	17.58	16.45	26.89	18.98	14.35	11.83	12.13	11.75

07382500 BAYOU COURTABLEAU AT WASHINGTON, LA

LOCATION.--Lat 30°37'05", long 92°03'20", in lot 81, T.5 S., R.4 E., Louisiana meridian, St. Landry Parish, Hydrologic Unit 08080102, near center of span on downstream side of bridge on State Highway 10 at Washington, 0.2 mi (0.3 km) upstream from Texas and New Orleans Railroad Co. bridge, 1.2 mi (1.9 km) upstream from Bayou Carron, 3.5 mi (5.6 km) downstream from confluence of Bayou Cocodrie and Bayou Boeuf, and 6.0 (9.7 km) north of Opelousas.

DRAINAGE AREA.--715 mi^2 (1,852 km^2). See REMARKS.

PERIOD OF RECORD.--July 1946 to current year.

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929. Prior to Aug. 23, 1948, non-recording gage at same site and datum. Water-stage recorder for Bayou Courtableau near Washington (station 07382495) used as auxiliary gage for this station since Feb. 28, 1949.

REMARKS.--Records good. Some flow diverted from Bayou Boeuf into Chatlin Lake Canal through Bayou Lamourie. Since April 1952, floodflow is diverted from 76.1 mi^2 (197.1 km^2) in Bayou Rapides basin into Bayou Boeuf when stage of Red River makes it necessary to close gates at mouth of Bayou Rapides. In extreme floods, considerable flow bypasses the station. Records of water temperatures for the water year 1980 are published under miscellaneous water-quality sites in this report.

AVERAGE DISCHARGE.--34 years, 1,077 ft^3/s (30.50 m^3/s), 780,300 acre-ft/yr (962 hm^3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 9,490 ft^3/s (269 m^3/s) May 21, 1953; maximum elevation, 35.29 ft (10.756 m) May 22, 1953; minimum discharge, 70 ft^3/s (1.98 m^3/s) Oct. 19, 1973; minimum elevation, 10.72 ft (3.267 m) Oct. 18, 1956.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 5,710 ft^3/s (162 m^3/s) Apr. 5, 6; maximum elevation, 29.83 ft (9.092 m) Apr. 3, minimum daily discharge, 91 ft^3/s (2.58 m^3/s) July 16.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3820	1420	3970	1390	2340	2630	5110	3570	1190	148	169	144
2	3650	1560	3670	1310	2130	2960	5420	3100	1040	138	164	143
3	3270	1300	3160	1250	1900	2750	5580	2660	969	127	164	144
4	2750	1010	2460	1180	1640	2330	5660	2170	926	121	169	146
5	2230	830	1880	1080	1500	1800	5680	1780	843	124	171	141
6	1880	698	1580	1030	1450	1360	5680	1560	787	118	165	139
7	1670	580	1450	970	1280	1100	5660	1440	730	107	153	147
8	1580	497	1390	863	1180	986	5570	1330	671	111	150	148
9	1490	470	1320	1500	2540	908	5380	1280	612	133	152	147
10	1390	895	1250	1590	3510	792	2290	1220	544	144	156	145
11	1360	1080	1180	2640	3860	715	5130	1150	485	142	158	146
12	1240	996	1160	3040	3860	590	5040	1060	431	133	147	149
13	1160	925	2280	2990	4010	541	4650	989	416	143	134	148
14	1130	757	3540	2850	4010	495	4700	992	389	138	129	146
15	1130	635	3550	2480	3870	483	4890	986	344	99	131	142
16	1150	512	3670	1920	3630	442	5080	1770	277	91	125	134
17	1100	455	3840	1550	3300	1600	5210	3090	216	94	131	136
18	1050	440	3900	1610	2750	3010	5280	3280	200	104	142	126
19	1030	419	3890	1450	2150	3080	5280	3570	194	142	128	116
20	932	379	3820	1260	1680	2890	5260	3790	206	127	124	116
21	845	365	3680	1100	1410	3280	5210	3890	298	128	117	121
22	867	527	3380	1400	1270	3270	5120	3930	262	139	124	118
23	1040	2660	2950	3170	1210	3000	4970	3920	228	152	133	113
24	1080	3620	3010	3400	1170	2560	4810	3940	211	154	136	111
25	1020	3880	3100	3530	1050	2150	4660	3950	231	160	138	114
26	894	3810	2900	3660	902	1890	4570	3800	170	161	148	122
27	731	4000	2690	3690	907	2890	4490	3710	168	165	149	121
28	612	4130	2250	3630	849	3290	4380	3330	166	170	153	118
29	529	4200	1890	3460	831	3720	4190	2810	163	185	151	118
30	466	4140	1680	3090	---	4240	3940	2130	149	187	152	132
31	565	---	1520	2630	---	4670	---	1530	---	174	151	---
TOTAL	43661	47190	82090	66713	61989	66422	148890	77787	13516	4275	4514	3991
MEAN	1408	1573	2648	2152	2138	2143	4963	2509	451	138	146	133
MAX	3820	4200	3970	3690	4010	4670	5680	3950	1190	187	171	149
MIN	466	365	1160	863	831	442	2290	986	149	91	117	111
AC-FT	86600	93600	162800	132300	123000	131700	295300	154300	26810	8480	8950	7920

CAL YR 1979 TOTAL 568087 MEAN 1556 MAX 4400 MIN 135 AC-FT 1127000
WTR YR 1980 TOTAL 621038 MEAN 1697 MAX 5680 MIN 91 AC-FT 1232000

07382500 BAYOU COURTABLEAU AT WASHINGTON, LA--Continued

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	23.11	17.67	24.33	18.19	20.80	23.12	29.51	23.87	19.05	14.61	13.36	12.60
2	22.79	19.06	23.47	17.95	20.23	24.37	29.64	22.95	18.73	14.36	13.33	12.58
3	22.08	18.40	22.19	17.96	19.63	23.95	29.81	22.19	18.88	14.07	13.28	12.56
4	21.03	17.55	20.32	17.91	19.24	22.32	29.80	21.28	18.91	13.81	13.25	12.59
5	19.83	16.85	19.33	18.20	19.52	20.34	29.75	20.50	18.81	13.60	13.24	12.63
6	18.94	16.30	18.57	18.30	18.64	18.82	29.59	20.07	18.72	13.40	13.21	12.65
7	18.41	16.04	18.22	18.29	18.16	18.32	29.38	19.79	18.61	13.16	13.13	12.69
8	18.06	16.10	17.94	19.17	18.02	17.87	29.13	19.53	18.47	12.98	13.08	12.71
9	17.87	16.12	17.73	20.80	21.67	17.45	28.79	19.35	18.27	12.93	13.04	12.73
10	18.09	17.00	17.53	20.25	24.87	16.96	28.41	19.13	17.95	12.90	13.06	12.75
11	17.67	18.39	17.31	24.23	25.44	16.64	27.97	18.90	17.57	12.92	13.10	12.80
12	17.41	18.36	17.19	25.49	25.52	16.83	28.34	18.68	17.14	12.91	13.09	12.86
13	17.87	16.87	19.96	25.27	25.32	16.98	29.27	18.78	16.73	12.91	12.99	12.85
14	18.24	16.28	24.27	24.28	25.05	16.95	29.51	18.93	16.37	12.87	12.88	12.82
15	18.22	16.05	25.04	22.69	24.70	16.86	29.42	18.99	15.97	12.68	12.82	12.77
16	17.32	16.24	25.22	21.05	24.16	16.69	29.24	22.97	15.56	12.48	12.76	12.68
17	16.77	16.18	24.96	20.69	23.44	18.87	29.03	26.19	15.21	12.34	12.73	12.64
18	16.47	16.03	24.65	20.83	22.25	22.86	28.84	26.72	14.94	12.25	12.76	12.56
19	16.35	15.83	24.30	19.91	20.74	22.90	28.71	26.76	14.76	12.32	12.74	12.44
20	16.12	15.58	24.02	18.88	19.39	22.45	28.56	26.66	14.99	12.32	12.70	12.36
21	15.82	15.34	23.47	18.02	18.69	23.70	28.37	26.48	15.64	12.34	12.66	12.32
22	15.93	15.41	22.75	18.57	18.42	23.68	28.11	27.16	15.72	12.44	12.60	12.28
23	16.92	21.00	21.91	23.25	18.26	23.06	27.77	27.52	15.82	12.67	12.55	12.21
24	17.67	23.84	22.54	24.25	17.95	22.33	27.32	27.43	16.21	12.78	12.50	12.22
25	17.51	24.95	23.09	24.48	17.69	21.17	26.77	26.98	15.99	12.98	12.50	12.25
26	16.65	25.52	22.79	24.43	18.10	20.59	26.29	26.29	15.67	13.08	12.53	12.25
27	15.92	25.60	21.93	24.24	18.14	24.28	25.95	25.43	15.55	13.18	12.58	12.20
28	15.46	25.50	20.67	23.96	17.26	27.40	25.58	24.64	15.34	13.27	12.60	12.18
29	15.21	25.23	19.64	23.36	17.85	28.25	24.99	23.32	15.08	13.32	12.57	12.12
30	15.26	24.85	19.01	22.47	---	29.05	24.58	21.51	14.82	13.35	12.56	12.21
31	15.53	---	18.60	21.52	---	29.41	---	19.95	---	13.35	12.61	---
MEAN	17.76	18.80	21.39	21.25	20.66	21.43	28.28	22.87	16.72	13.05	12.86	12.52
MAX	23.11	25.60	25.22	25.49	25.52	29.41	29.81	27.52	19.05	14.61	13.36	12.86
MIN	15.21	15.34	17.19	17.91	17.26	16.64	24.58	18.68	14.76	12.25	12.50	12.12

07383500 BAYOU DES GLAISES DIVERSION CHANNEL AT MOREAUVILLE, LA

LOCATION.--Lat 31°01'59", long 91°58'57", in NE¼ sec.29, T.1 N., R.5 E., Avoyelles Parish, Hydrologic Unit 08080102, near left bank on downstream side of bridge on State Highway 114 at Moreauville, and 150 ft (46 m) downstream from point of diversion from Bayou des Glaises.

DRAINAGE AREA.--270 mi² (699 km²).

PERIOD OF RECORD.--July 1943 to current year.

REVISED RECORDS.--WDR LA-77-1: 1973-76.

GAGE.--Water-stage recorder. Datum of gage is 23.46 ft (7.151 m) National Geodetic Vertical Datum of 1929 (levels by Louisiana Department of Transportation and Development, Office of Public Works). Prior to Oct. 13, 1950, nonrecording gage at same site. Prior to Sept. 30, 1961, at datum 4.84 ft (1.475 m) higher. Water-stage recorder for Bayou des Glaises diversion channel near Moreauville (station 07383510) used as auxiliary gage for this station since Apr. 17, 1972.

REMARKS.--Records good except those for period of no gage-height record, which are fair. Diversion channel carries natural flow of Bayou des Glaises except when operation of floodgates, 12 mi (19 km) downstream from point of diversion, regulates flow into or out of bayou depending on stage in Red River and Old River overflow area. Flow includes diversion from Bayou Boeuf into Chatlin Lake Canal and is occasionally affected by diversion into or out of Red River and Old River overflow area. Channel discharge into West Protection Levee borrow pit channel, 6.0 mi (9.6 km) downstream. Records of dissolved oxygen and water temperatures for water year 1980 are published under miscellaneous water-quality sites in this report.

AVERAGE DISCHARGE.--37 years, 435 ft³/s (12.32 m³/s), 315,200 acre-ft/yr (389 hm³/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 6,340 ft³/s (180 m³/s) May 18, 1953, gage height, 22.68 ft (6.913 m), present datum; minimum, 2.7 ft³/s (0.076 m³/s) Oct. 13, 14, 15, 1973.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 2,410 ft³/s (68.3 m³/s) Mar. 30, gage height, 20.38 (6.209 m); minimum, 20 ft³/s (0.57 m³/s) July 16, 17; minimum gage height, 2.58 ft (0.786 m) July 17.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1130	612	1250	503	1160	626	2180	1160	145	53	72	50
2	1060	747	1230	347	1080	808	2150	1060	124	44	55	49
3	971	740	1200	210	998	740	2180	981	110	42	44	76
4	876	690	1150	180	895	547	2190	900	100	31	43	67
5	774	550	1100	160	744	369	2190	785	90	27	49	58
6	599	356	1000	150	521	280	2150	559	83	26	49	58
7	352	230	920	140	354	220	2100	334	75	25	57	50
8	207	160	820	160	292	186	2000	225	72	25	55	47
9	136	140	700	680	1380	158	1860	180	54	26	86	52
10	100	400	580	580	1440	139	1720	174	39	69	79	85
11	81	720	320	1250	1440	132	1580	157	44	54	47	76
12	69	740	300	1200	1450	118	1790	172	53	40	28	55
13	62	650	1200	1100	1430	109	1980	153	58	36	23	44
14	57	450	1700	1000	1420	101	1960	139	62	26	24	38
15	54	280	1600	850	1390	95	2060	125	49	22	24	36
16	56	190	1550	700	1350	171	2040	807	42	20	23	35
17	47	140	1520	520	1290	1570	2010	1230	49	20	24	34
18	47	110	1540	400	1200	1330	1960	1160	60	21	30	33
19	49	95	1540	300	1110	1290	1890	1160	64	21	53	32
20	54	85	1510	240	1010	1380	1800	1120	92	22	58	32
21	62	80	1440	213	900	1620	1690	1250	84	25	40	32
22	75	280	1370	736	729	1400	1560	1500	59	30	34	51
23	244	1400	1300	1440	470	1320	1450	1220	106	50	42	75
24	407	1390	1520	1320	292	1290	1340	1110	79	52	58	51
25	314	1380	1410	1310	207	1200	1240	998	139	41	51	36
26	201	1350	1300	1340	142	118	1310	901	178	36	43	32
27	135	1300	1210	1350	98	1310	1330	804	113	32	37	31
28	104	1250	1120	1330	89	1760	1330	844	65	36	33	33
29	89	1200	1020	1290	106	1800	1310	400	67	40	44	34
30	85	1220	904	1230	---	2340	1250	256	66	76	63	30
31	138	---	768	1240	---	2210	---	186	---	88	57	---
TOTAL	8631	18929	35992	23469	24987	26737	53600	21850	2401	1164	1425	1420
MEAN	278	631	1161	757	862	862	1787	705	80.0	37.5	46.0	47.3
MAX	1130	1400	1700	1440	1450	2340	2190	1500	178	88	86	85
MIN	47	80	300	140	89	95	1240	125	39	20	23	31
AC-FT	17120	37550	71390	46550	49560	53030	106300	43340	4760	2310	2830	2820

CAL YR 1979 TOTAL 234712 MEAN 643 MAX 2200 MIN 29 AC-FT 465600
WTR YR 1980 TOTAL 220605 MEAN 603 MAX 2340 MIN 20 AC-FT 437600

NOTE.--No gage-height record Nov. 3 to Dec. 16.

07383500 BAYOU DES GLAISES DIVERSION CHANNEL AT MOREAUVILLE, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10.80	7.88	---	6.95	10.53	7.67	17.70	10.55	4.21	3.35	3.54	3.24
2	10.44	8.72	---	5.88	10.17	8.79	16.90	10.07	4.03	3.23	3.33	3.23
3	9.99	---	---	---	9.74	8.45	16.31	9.66	3.90	3.19	3.17	3.55
4	9.48	---	---	---	9.22	7.25	15.75	9.25	---	2.97	3.16	3.45
5	8.88	---	---	---	8.46	6.04	15.32	8.68	---	2.86	3.24	3.35
6	7.80	---	---	---	7.08	5.34	14.94	7.32	3.64	2.85	3.23	3.35
7	6.08	---	---	---	5.93	4.84	14.57	5.76	3.55	2.81	3.35	3.25
8	4.90	---	---	---	5.41	4.55	14.17	4.88	3.51	2.81	3.32	3.20
9	4.24	---	---	---	14.21	4.32	13.67	4.50	3.30	2.82	3.66	3.26
10	3.89	---	---	---	14.70	4.15	13.12	4.46	3.06	3.52	3.59	3.65
11	3.70	---	---	---	12.55	4.09	12.57	4.31	3.15	3.36	3.19	3.55
12	3.57	---	---	---	11.99	3.97	15.77	4.43	3.28	3.16	2.81	3.31
13	3.48	---	---	---	11.91	3.89	17.41	4.28	3.34	3.08	2.04	3.14
14	3.42	---	---	---	11.86	3.81	16.10	4.16	3.40	2.82	2.68	3.04
15	3.38	---	---	---	11.71	3.76	14.99	4.04	3.23	2.67	2.68	3.00
16	3.34	---	---	---	11.49	4.32	14.50	9.55	3.11	2.61	2.64	2.99
17	3.29	---	12.34	---	11.18	12.48	14.21	13.51	3.23	2.60	2.67	2.97
18	3.28	---	12.40	---	10.75	11.36	14.04	11.40	3.38	2.65	2.86	2.95
19	3.32	---	12.40	---	10.28	11.16	13.77	10.56	3.42	2.62	3.28	2.93
20	3.39	---	12.27	---	9.79	11.62	13.43	10.37	3.71	2.67	3.35	2.93
21	3.48	---	11.97	4.77	9.25	12.69	13.00	11.40	3.43	2.77	3.09	2.93
22	3.63	---	11.60	8.50	8.37	11.72	12.48	13.44	3.36	2.94	2.97	3.23
23	5.18	---	11.25	13.25	6.73	11.31	11.94	11.29	3.85	3.29	3.12	3.55
24	6.50	---	12.39	11.52	5.44	11.17	11.41	10.32	3.59	3.32	3.35	3.25
25	5.79	---	11.78	11.28	4.73	10.75	10.96	9.75	4.15	3.16	3.25	3.02
26	4.85	---	11.26	11.43	4.18	10.64	11.28	9.26	4.49	3.06	3.14	2.92
27	4.23	---	10.82	11.48	3.78	13.45	11.36	8.77	3.96	2.97	3.02	2.90
28	3.93	---	10.33	11.40	3.69	17.01	11.38	7.87	3.49	3.04	2.95	2.94
29	3.78	---	9.83	11.18	3.84	17.86	11.27	6.25	3.52	3.25	3.13	2.98
30	3.74	---	9.27	10.89	---	20.06	10.98	5.14	3.50	3.58	3.42	3.05
31	4.23	---	8.48	10.94	---	18.83	---	4.55	---	3.70	3.34	---
MEAN	5.16	---	---	---	8.93	9.27	13.84	8.06	---	3.02	3.13	3.17
MAX	10.80	---	---	13.25	14.70	20.06	17.70	13.51	4.49	3.70	3.66	3.65
MIN	3.28	---	---	---	3.69	3.76	10.96	4.04	3.06	2.60	2.64	2.90

07383510 BAYOU DES GLAISES DIVERSION CHANNEL NEAR MOREAUVILLE, LA

LOCATION.--Lat 30°59'59", long 91°58'57", in NW¼SE¼ sec.4, T.1 S., R.5 E., Avoyelles Parish, Hydrologic Unit 08080102, near left bank on downstream side of bridge on unnumbered parish road, 2.5 mi (4.0 km) south of Moreauville, and 2.5 mi (4.0 km) downstream from gaging station Bayou des Glaises diversion channel at Moreauville (station 073835000).

DRAINAGE AREA.--284 mi^2 (736 km^2).

PERIOD OF RECORD.--April 1972 to current year (gage heights only).

GAGE.--Water-stage recorder. Datum of gage is 21.18 ft (6.456 m) National Geodetic Vertical Datum of 1929.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 22.76 ft (6.937 m) Apr. 21, 1977; minimum, 2.14 ft (0.652 m) Nov. 11, 1976.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 20.88 ft (6.364 m) Mar. 30; minimum, 2.47 ft (0.753 m) July 17.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.68	6.83	11.44	6.21	9.60	7.92	18.03	9.48	3.62	---	3.12	3.04
2	9.34	7.78	11.17	5.06	9.16	8.02	16.97	9.01	3.45	---	2.97	3.07
3	8.92	8.02	10.81	4.44	8.74	7.51	15.48	8.62	3.30	---	2.84	3.26
4	8.47	7.75	10.39	4.16	8.30	6.72	15.15	8.23	3.22	---	2.82	3.23
5	7.94	6.94	9.94	4.02	7.61	---	14.52	7.70	3.15	---	2.87	3.14
6	7.02	5.54	9.42	3.95	6.43	---	14.03	6.54	3.10	---	2.88	3.14
7	5.47	4.55	8.93	3.82	5.37	---	13.57	5.17	3.04	---	---	3.08
8	4.42	3.96	8.42	3.97	4.99	---	13.12	4.41	3.00	---	---	3.04
9	3.83	3.77	7.80	7.69	15.20	---	12.58	3.94	2.87	---	---	3.06
10	3.47	6.25	6.60	7.10	15.68	---	12.00	3.84	2.68	---	---	3.32
11	3.28	7.92	5.31	15.89	12.70	---	11.45	3.74	2.73	---	---	3.27
12	3.14	7.96	5.17	13.88	11.37	---	16.02	3.81	2.82	---	---	3.11
13	3.06	7.50	12.56	10.86	10.93	---	18.02	3.73	2.92	---	---	3.01
14	2.98	6.25	14.40	9.21	10.78	---	16.30	3.62	2.87	2.60	---	2.94
15	2.93	5.00	12.30	8.56	10.51	---	14.46	3.53	2.92	2.54	---	2.92
16	2.90	4.25	11.39	7.81	10.48	---	13.72	10.14	---	2.50	---	2.91
17	2.86	3.82	11.12	6.70	10.23	---	13.24	14.66	---	2.48	---	2.90
18	2.84	3.51	11.10	6.00	9.72	---	12.97	11.83	---	2.50	---	2.88
19	2.85	3.36	11.06	5.19	9.28	---	12.62	10.14	---	2.49	---	2.87
20	2.87	3.28	10.86	4.68	8.75	---	12.25	9.72	---	2.50	---	2.87
21	2.95	3.20	10.74	4.38	8.25	---	11.80	11.09	---	2.55	---	2.87
22	3.10	5.01	10.46	8.65	8.49	---	11.30	13.89	---	2.66	2.87	2.99
23	4.40	13.86	10.13	13.75	6.06	---	10.79	11.90	---	2.88	2.94	3.25
24	5.74	13.22	12.04	11.33	4.86	---	10.29	9.74	---	2.92	3.10	3.06
25	5.19	13.47	11.13	10.48	4.24	---	9.86	8.88	---	2.81	3.05	2.92
26	4.36	13.31	10.18	10.50	3.77	---	10.16	8.30	---	2.74	2.97	2.85
27	3.80	12.15	9.81	10.49	3.38	---	10.24	7.78	---	2.69	2.91	2.83
28	3.49	11.75	9.28	10.35	3.26	17.88	10.23	7.08	---	2.72	2.88	2.84
29	3.34	11.65	8.78	10.13	3.58	18.80	10.13	5.47	---	2.86	2.94	2.86
30	3.27	11.58	8.27	9.85	---	20.62	9.88	4.44	---	3.11	3.14	2.90
31	3.52	---	7.55	10.12	---	19.40	---	3.91	---	3.24	3.11	---
MEAN	4.56	7.65	9.05	8.04	8.34	---	13.04	7.56	---	---	---	3.01
MAX	9.68	13.86	14.40	15.89	15.68	20.62	18.03	14.66	---	3.24	---	3.32
MIN	2.84	3.20	5.17	3.82	3.26	---	9.86	3.53	2.68	2.48	---	2.83

07385470 BAYOU TECHE AT ROBIN, LA

LOCATION.--Lat 30°26'48", long 91°55'22", in lot 51, T.7 S., R.5 E., Louisiana meridian, St. Landry Parish, Hydrologic Unit 08080102, near center of span on downstream side of bridge on parish road at Robin, and 3.7 mi (6.0 km) upstream from gaging station Bayou Teche at Arnaudville (station 07385500).

DRAINAGE AREA.--Not determined. See REMARKS.

PERIOD OF RECORD.--October 1974 to current year (elevations only). Unpublished records, November 1947 to September 1974, available in files of Baton Rouge district office.

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929. Prior to February 4, 1953, nonrecording gage at same site and datum.

REMARKS.--Bayou Teche heads in Bayou Courtableau at Port Barre. At high stages, considerable flow bypasses station by way of Bayou Courtableau at weirs near Krotz Springs. There is controlled diversion to or from Red River and Old River overflow area through Bayou des Glaises floodgates and to or from West Atchafalaya Floodway through Big Darbonne Bayou culvert and since April 1956 through Bayou Courtableau drainage structure. Since April 1952, floodflow is diverted from Bayou Rapides (drainage area, 76.1 mi² or 197 km²) into Bayou Boeuf when stages of Red River make it necessary to close gates at mouth of Bayou Rapides.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, about 23.0 ft (7.01 m) Apr. 21, 1977; minimum, 9.63 ft (2.935 m) Oct. 30, 31, Nov. 1, 2, 1978, but may have less during period of no gage-height record, Oct. 11-26, 1978.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum elevation since November 1947, 25.6 ft (7.80 m) May 23, 1953.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 21.62 ft (6.590 m) May 17; minimum, 9.98 ft (3.042 m) Sept. 29.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14.62	12.65	15.42	13.58	14.57	15.65	20.15	15.91	14.90	12.03	11.02	10.42
2	14.47	13.81	15.19	13.45	14.36	15.92	20.49	15.80	14.72	11.85	11.06	10.41
3	14.32	13.90	14.81	13.55	14.16	15.79	20.54	15.65	14.85	11.66	11.04	10.39
4	14.07	13.59	14.36	13.57	14.08	15.41	20.02	15.49	14.95	11.44	10.96	10.38
5	13.77	13.23	13.95	13.90	14.63	14.87	19.44	15.33	14.97	11.26	10.94	10.42
6	13.48	12.90	13.63	14.12	14.00	14.17	18.94	15.20	14.94	11.08	10.93	10.46
7	13.25	12.73	13.45	14.20	13.68	14.12	18.54	15.03	14.89	10.92	10.94	10.47
8	13.07	12.80	13.32	14.38	13.70	13.87	18.15	14.89	14.81	10.76	10.91	10.49
9	12.97	12.86	13.23	15.32	15.01	13.62	17.81	14.77	14.71	10.64	10.89	10.50
10	13.31	13.01	13.18	14.92	16.24	13.35	17.50	14.65	14.55	10.65	10.87	10.46
11	13.17	13.76	13.09	18.03	16.29	13.13	17.25	14.52	14.30	10.66	10.88	10.42
12	12.97	14.28	13.03	18.11	16.21	13.29	18.43	14.39	14.02	10.68	10.88	10.45
13	13.35	13.29	13.85	17.59	16.06	13.48	20.55	14.50	13.71	10.67	10.86	10.46
14	13.79	12.81	15.95	16.85	15.91	13.46	20.38	14.71	13.43	10.66	10.81	10.46
15	13.98	12.66	16.05	16.01	15.79	13.43	19.98	14.98	13.15	10.62	10.74	10.43
16	13.33	12.84	16.01	15.33	15.69	13.35	19.45	19.63	12.86	10.49	10.71	10.38
17	12.79	12.93	15.86	15.40	15.54	13.86	18.90	21.51	12.60	10.35	10.67	10.35
18	12.53	12.86	15.69	15.54	15.24	15.48	18.49	21.13	12.38	10.26	10.67	10.33
19	12.41	12.73	15.56	14.90	14.81	15.41	18.08	20.86	12.21	10.21	10.65	10.25
20	12.35	12.55	15.42	14.27	14.33	15.23	17.75	20.47	12.44	10.18	10.62	10.20
21	12.24	12.38	15.21	13.84	14.01	15.47	17.49	19.98	12.85	10.21	10.60	10.15
22	12.27	12.26	14.98	14.02	13.93	15.56	17.28	20.15	12.89	10.34	10.56	10.10
23	12.70	13.77	14.80	15.54	13.89	15.41	17.12	19.85	12.89	10.53	10.52	10.06
24	13.32	15.27	15.34	15.91	13.71	15.57	16.95	19.32	13.17	10.52	10.48	10.06
25	13.48	16.76	15.46	15.90	13.54	15.14	16.77	18.68	13.16	10.63	10.45	10.08
26	13.03	16.72	15.35	15.81	13.95	15.04	16.66	18.02	12.91	10.77	10.45	10.09
27	12.59	16.23	15.06	15.72	14.10	17.23	16.45	17.36	12.78	10.88	10.43	10.06
28	12.29	15.92	14.65	15.56	13.62	20.59	16.31	17.05	12.64	10.96	10.31	10.03
29	12.11	15.73	14.26	15.37	13.72	20.94	16.18	16.44	12.45	10.97	10.37	10.00
30	12.15	15.57	13.97	15.11	---	21.15	16.04	15.76	12.23	10.97	10.41	10.31
31	12.28	---	13.76	14.81	---	20.76	---	15.24	---	10.99	10.42	---
MEAN	13.11	13.76	14.64	15.18	14.65	15.48	18.27	17.01	13.58	10.80	10.71	10.30
MAX	14.62	16.76	16.05	18.11	16.29	21.15	20.55	21.51	14.97	12.03	11.06	10.50
MIN	12.11	12.26	13.03	13.45	13.54	13.13	16.04	14.39	12.21	10.18	10.31	10.00

07385500 BAYOU TECHE AT ARNAUDVILLE, LA

LOCATION.--Lat 30°23'50", long 91°55'50", in lot 63, T.7 S., R.5 E., Louisiana meridian, St. Landry Parish, Hydrologic Unit 08080102, near center of span on downstream side of bridge on State Highway 31, at Arnaudville, and 270 ft (82 m) upstream from Bayou Fusilier.

DRAINAGE AREA.--1,531 mi² (3,965 km²). See REMARKS

PERIOD OF RECORD.--April 1949 to current year.

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929. Prior to May 11, 1949, nonrecording gage. May 12, 1949 to May 11, 1960, water-stage recorder, May 26, 1960, to Aug. 15, 1961, nonrecording gage. All gages at same site and datum. Water-stage recorder for Bayou Teche at Robin (station 07385470) used as auxiliary gage for this station.

REMARKS.--Records good. Bayou Teche heads in Bayou Courtableau at Port Barre. At high stages, considerable flow bypasses station by way of Bayou Courtableau at Weirs near Krotz Springs. There is controlled diversion to or from Red River and Old River overflow area through Bayou Des Glaises floodgates and to or from West Atchafalaya Floodway through Big Darbonne Bayou culvert and since April 1956 through Bayou Courtableau drainage structure. Since April 1952, floodflow is diverted from Bayou Rapides, drainage area, 76.1 mi² (197 km²), into Bayou Boeuf when stages of Red River make it necessary to close gates at mouth of Bayou Rapides. Records of water temperatures for the water year 1980 are published under miscellaneous water-quality sites in this report.

AVERAGE DISCHARGE.--31 years, 830 ft³/s (23.51 m³/s) 601,300 acre-ft/yr (741 hm³/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 4,630 ft³/s (131 m³/s) May 24, 1953; maximum elevation, 24.27 ft (7.397 m), May 23, 1953; minimum discharge, 53 ft³/s (1.50 m³/s) Aug. 12, 1965, minimum elevation, 6.78 ft (2.067 m) Oct. 28, 1956.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 2,610 ft³/s (61.2 m³/s) Apr. 13; maximum elevation, 21.40 ft (6.523 m) May 17; minimum daily discharge, 186 ft³/s (5.27 m³/s) Sept. 23.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1020	644	1180	788	1060	1350	1960	1330	1050	521	326	241
2	997	877	1140	765	1020	1360	1920	1300	1090	459	327	240
3	980	848	1050	783	977	1330	1880	1250	1120	429	326	238
4	914	787	963	777	986	1210	1860	1220	1140	390	320	237
5	842	744	891	855	991	1080	1910	1200	1140	360	317	241
6	792	662	832	905	915	927	1890	1170	1130	330	316	246
7	746	640	815	916	883	915	1920	1160	1120	307	320	247
8	715	652	783	973	902	867	1890	1140	1100	282	316	270
9	698	661	760	1150	1260	821	1880	1110	1080	264	312	275
10	760	695	738	1050	1500	773	1840	1100	1040	272	309	280
11	741	867	719	1700	1480	739	1800	1070	988	274	310	275
12	693	918	692	1520	1460	785	2100	1050	923	277	310	270
13	757	703	811	1500	1410	818	2310	1080	849	277	309	254
14	838	645	1270	1420	1370	821	2220	1120	787	274	302	248
15	879	633	1300	1280	1340	814	2170	1140	723	268	292	245
16	758	670	1310	1150	1300	794	2130	1240	664	257	288	235
17	659	675	1270	1150	1260	917	2040	1310	607	240	289	232
18	609	662	1240	1120	1180	1240	2000	1350	560	223	284	222
19	589	641	1200	1060	1090	1190	1950	1440	520	216	279	211
20	573	605	1160	969	982	1170	1930	1450	589	211	277	198
21	560	578	1110	893	937	1240	1880	1070	655	216	272	196
22	548	559	1060	919	930	1260	1820	1450	653	233	268	191
23	643	877	1020	1240	918	1210	1780	1350	645	257	263	186
24	767	1170	1120	1350	874	1250	1710	1250	708	254	258	187
25	775	1440	1160	1350	856	1120	1590	1170	706	270	254	190
26	674	1400	1140	1350	962	1150	1560	1100	655	288	253	193
27	608	1350	1070	1310	973	1700	1500	950	630	307	250	189
28	563	1300	986	1280	823	1820	1460	850	605	320	223	195
29	531	1270	905	1230	900	1630	1430	750	569	317	236	190
30	546	1230	865	1170	---	1760	1370	800	530	319	245	205
31	572	---	820	1040	---	1860	---	950	---	320	241	---
TOTAL	22347	25403	31380	34963	31539	35921	55700	35920	24584	9232	8892	6827
MEAN	721	847	1012	1128	1088	1159	1857	1159	819	298	287	228
MAX	1020	1440	1310	1700	1500	1860	2310	1450	1140	521	327	280
MIN	531	559	692	765	823	739	1370	750	520	211	223	186
AC-FT	44330	50390	62240	69350	62560	71250	110500	71250	48760	18310	17640	13540

CAL YR 1979 TOTAL 337358 MEAN 924 MAX 1630 MIN 285 AC-FT 669100
WTR YR 1980 TOTAL 322708 MEAN 882 MAX 2310 MIN 186 AC-FT 640100

07385500 BAYOU TECHE AT ARNAUDVILLE, LA--Continued

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13.96	12.19	14.75	13.08	13.91	14.84	19.49	15.17	14.21	11.46	10.57	10.07
2	13.86	13.25	14.54	12.95	13.72	15.14	19.87	15.07	13.98	11.30	10.58	10.06
3	13.71	13.37	14.19	13.05	13.53	15.04	19.94	14.94	14.10	11.14	10.57	10.05
4	13.50	13.09	13.71	13.08	13.43	14.72	19.40	14.79	14.18	10.93	10.54	10.04
5	13.23	12.70	13.39	13.36	14.01	14.23	18.74	14.63	14.18	10.77	10.52	10.07
6	12.96	12.45	13.09	13.56	13.42	13.60	18.18	14.51	14.15	10.60	10.51	10.10
7	12.75	12.28	12.90	13.64	13.09	13.47	17.72	14.33	14.10	10.47	10.54	10.11
8	12.58	12.35	12.79	13.78	13.09	13.33	17.29	14.19	14.03	10.32	10.51	10.13
9	12.49	12.40	12.71	14.66	14.20	13.09	16.89	14.08	13.94	10.21	10.49	10.13
10	12.81	12.53	12.68	14.25	15.37	12.84	16.54	13.97	13.80	10.26	10.47	10.19
11	12.67	13.20	12.61	17.28	15.44	12.63	16.28	13.85	13.59	10.27	10.48	10.21
12	12.50	13.72	12.56	17.49	15.38	12.76	17.44	13.73	13.33	10.28	10.48	10.24
13	12.85	12.84	13.35	16.94	15.26	12.94	19.73	13.82	13.04	10.28	10.47	10.26
14	13.26	12.37	15.26	16.15	15.13	12.92	19.61	14.01	12.78	10.27	10.43	10.26
15	13.43	12.22	15.34	15.31	15.02	12.87	19.19	14.30	12.52	10.23	10.37	10.24
16	12.83	12.37	15.29	14.68	14.94	12.81	18.61	19.23	12.26	10.17	10.35	10.19
17	12.33	12.47	15.16	14.75	14.80	13.26	18.04	21.30	12.00	10.06	10.33	10.17
18	12.10	12.41	15.00	14.93	14.55	14.76	17.60	20.93	11.79	9.95	10.32	10.15
19	11.98	12.28	14.88	14.35	14.15	14.73	17.15	20.63	11.64	9.91	10.30	10.08
20	11.93	12.13	14.76	13.66	13.72	14.54	16.77	20.25	11.92	9.88	10.28	10.04
21	11.83	11.96	14.59	13.26	13.41	14.82	16.49	19.70	12.22	9.91	10.26	9.98
22	11.87	11.85	14.37	13.43	13.33	14.83	16.29	19.80	12.21	10.02	10.23	9.94
23	12.25	13.20	14.21	14.84	13.29	14.71	16.14	19.47	12.18	10.18	10.20	9.90
24	12.81	14.58	14.70	15.14	13.14	14.85	16.01	18.86	12.45	10.15	10.17	9.90
25	12.98	16.01	14.81	15.13	12.96	14.49	15.91	18.14	12.44	10.24	10.15	9.92
26	12.58	16.06	14.70	15.14	13.32	14.38	15.81	17.43	12.22	10.35	10.14	9.93
27	12.16	15.50	14.45	14.97	13.58	16.39	15.61	16.73	12.11	10.46	10.12	9.90
28	11.87	15.20	14.06	14.82	12.95	20.01	15.49	16.36	11.99	10.54	9.95	9.87
29	11.71	15.01	13.72	14.65	13.13	20.47	15.38	15.74	11.83	10.52	10.03	9.84
30	11.74	14.87	13.43	14.41	---	20.65	15.27	15.06	11.[illegible]5	10.53	10.09	10.15
31	11.86	---	13.24	14.20	---	20.19	---	14.57	---	10.54	10.07	---
MEAN	12.63	13.23	14.04	14.55	13.97	14.85	17.43	16.44	12.89	10.39	10.34	10.07
MAX	13.96	16.06	15.34	17.49	15.44	20.65	19.94	21.30	14.21	11.46	10.58	10.26
MIN	11.71	11.85	12.56	12.95	12.95	12.63	15.27	13.73	11.64	9.88	9.95	9.84

08010000 BAYOU DES CANNES NEAR EUNICE, LA

LOCATION.--Lat 30°29'00", long 92°29'25", in SW¼SE¼ sec.32, T.6 S., R.1 W., Louisiana meridian, Evangeline Parish, Hydrologic Unit 08080201, on left bank at downstream side of bridge on U.S. Highway 190, 3.0 mi (4.8 km) downstream from New Orleans, Texas, and Mexico Railway Co. bridge, and 4.0 mi (6.4 km) west of Eunice.

DRAINAGE AREA.--131 mi² (339 km²).

PERIOD OF RECORD.--October 1938 to current year.

REVISED RECORDS.--WSP 1242: 1950(P).

GAGE.--Water-stage recorder. Datum of gage is 14.84 ft (4.523 m) National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to Jan. 17, 1940, nonrecording gage at same site and datum. Auxiliary water-stage recorder 1.8 mi (2.9 km) downstream from base gage. Datum of auxiliary gage is 13.70 ft (4.176 m) National Geodetic Vertical Datum of 1929. See WSP 1732 for history of changes prior to Jan. 13, 1958.

REMARKS.--Records good. Small diversion above station. Records of water temperatures for the water year 1980 are published under miscellaneous water-quality sites in this report.

AVERAGE DISCHARGE.--42 years, 268 ft³/s (7.590 m³/s), 27.78 in/yr (706 mm/yr), 194,200 acre-ft/yr (239 hm³/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 11,900 ft³/s (337 m³/s) May 20, 1953, gage height, 22.36 ft (6.82 m). No flow at times in 1939, 1948, 1955-56, 1964, 1971, 1975-77.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 6,220 ft³.s (176 m³/s) Mar. 29, gage height, 19.27 ft (5.873 m); minimum, 0.32 ft³/s (0.009 m³/s) Sept. 27, gage height, 0.74 ft (0.226 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.8	235	34	25	51	2330	2030	29	43	2.9	100	2.1
2	6.2	82	24	20	36	2500	1380	34	39	3.0	113	1.8
3	3.4	40	17	23	38	883	1910	58	19	3.1	88	1.5
4	3.2	24	15	44	28	179	883	51	17	2.7	57	1.3
5	2.4	14	13	32	30	112	271	38	17	2.9	148	1.1
6	4.0	9.7	15	21	36	93	153	28	18	3.5	167	.95
7	6.0	7.7	19	18	31	61	134	52	15	4.0	117	.85
8	5.6	7.0	16	209	31	46	200	128	9.3	4.2	56	.88
9	6.0	8.3	13	1230	1660	37	157	376	9.6	3.0	64	.98
10	4.9	62	11	451	2400	30	110	98	6.8	3.4	61	1.1
11	2.6	59	9.3	2020	950	23	92	63	3.6	2.5	48	.98
12	1.9	28	8.2	3530	209	21	684	31	3.7	2.4	45	.85
13	1.8	15	553	1670	93	23	2480	25	3.0	3.0	35	.80
14	1.5	9.5	2710	420	68	21	1950	23	3.0	3.6	27	.75
15	1.0	7.6	1300	135	57	16	594	74	3.3	4.2	26	.78
16	.95	6.5	376	143	103	11	120	1560	3.7	4.7	12	.65
17	.95	5.3	115	488	186	207	96	4750	3.5	3.2	12	.63
18	.85	4.6	69	546	79	695	611	3780	3.1	6.2	12	.59
19	.80	3.0	47	177	55	143	266	1440	3.3	173	11	.75
20	.80	2.6	40	100	48	168	118	1130	12	136	10	1.0
21	.65	3.0	34	77	36	1430	73	852	89	109	7.2	1.1
22	.65	285	34	607	32	740	88	4110	83	225	3.9	1.0
23	65	2550	46	1900	32	136	75	4920	51	251	2.7	.95
24	24	2810	827	806	34	223	71	3100	35	177	2.0	.86
25	9.5	2440	592	188	27	160	75	852	14	113	1.4	.49
26	5.4	2050	137	144	21	574	286	187	7.7	98	1.4	.46
27	3.6	1280	78	109	14	2860	173	75	7.4	84	3.7	.38
28	2.9	315	53	77	11	5640	82	104	4.7	79	3.6	.47
29	2.8	97	46	81	106	6020	69	124	4.1	153	3.6	.47
30	2.9	60	41	79	---	5900	38	70	4.2	148	3.9	53
31	505	---	32	68	---	4810	---	54	---	93	2.8	---
TOTAL	686.05	12520.8	7324.5	15444	6500	36170	15257	28276	536.0	1894.1	1245.2	79.24
MEAN	22.1	417	236	498	224	1167	509	912	17.9	61.1	40.2	2.64
MAX	505	2810	2710	3530	2400	6020	2480	4920	89	251	167	53
MIN	.65	2.6	8.2	18	11	11	38	23	3.0	2.4	1.4	.38
CFSM	.17	3.18	1.80	3.80	1.71	8.91	3.89	6.96	.14	.47	.31	.02
IN.	.19	3.56	2.08	4.39	1.85	10.27	4.33	8.03	.15	.54	.35	.02
AC-FT	1360	24830	14530	30630	12910	71760	30260	56090	1060	3760	2470	157

CAL YR 1979 TOTAL 148487.05 MEAN 407 MAX 5930 MIN .65 CFSM 3.11 IN 42.17 AC-FT 294500
WTR YR 1980 TOTAL 125940.89 MEAN 344 MAX 6020 MIN .38 CFSM 2.63 IN 35.76 AC-FT 249800

08010000 BAYOU DES CANNES NEAR EUNICE, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.76	7.06	2.63	2.36	3.04	15.65	15.87	2.56	3.00	1.32	4.29	1.29
2	1.61	3.74	2.32	2.21	2.67	16.57	14.09	2.71	2.90	1.34	4.38	---
3	1.40	2.71	2.12	2.29	2.72	12.97	15.72	3.33	2.32	1.34	3.85	---
4	1.38	2.26	2.06	2.87	2.43	6.24	12.51	3.15	2.24	1.29	3.07	---
5	1.31	1.91	1.97	2.55	2.50	4.48	7.26	2.84	2.17	1.32	4.72	---
6	1.45	1.73	2.04	2.24	2.66	4.07	5.34	2.56	2.20	1.37	5.22	---
7	1.60	1.61	2.17	2.13	2.53	3.30	4.94	3.18	2.08	1.40	4.49	---
8	1.57	1.56	2.09	5.86	2.50	2.92	5.90	4.48	1.85	1.41	3.39	---
9	1.60	1.65	1.99	13.27	13.41	2.70	5.33	7.78	1.87	1.37	3.55	---
10	1.52	3.24	1.86	8.81	16.40	2.49	4.51	4.26	1.68	1.34	3.49	---
11	1.33	3.17	1.79	15.37	12.99	2.32	4.15	3.46	1.45	1.26	3.22	---
12	1.26	2.35	1.72	17.34	6.48	2.25	8.28	2.65	1.46	1.25	3.17	---
13	1.25	1.97	8.71	15.24	4.06	2.30	16.29	2.48	1.40	1.30	2.90	---
14	1.21	1.72	16.62	10.14	3.46	2.26	15.76	2.42	1.39	1.35	2.66	---
15	1.15	1.60	14.44	5.19	3.18	2.08	10.72	3.73	1.41	1.41	2.61	---
16	1.14	1.53	8.76	5.04	4.05	1.87	5.08	12.61	1.45	1.44	2.13	---
17	1.14	1.45	4.66	7.80	5.66	5.38	4.24	18.18	1.42	1.32	2.11	---
18	1.12	1.40	3.50	9.57	3.74	10.81	9.49	17.60	1.38	1.52	2.12	---
19	1.11	1.27	2.89	5.70	3.13	5.13	6.93	14.93	1.40	5.19	2.05	---
20	1.11	1.23	2.79	4.23	2.91	4.70	4.68	13.63	1.87	4.79	2.01	---
21	1.08	1.27	2.63	3.70	2.65	13.93	3.68	11.10	3.88	4.28	1.80	---
22	1.08	6.88	2.62	7.44	2.55	11.51	4.06	17.59	3.87	5.97	1.56	---
23	3.39	16.13	2.92	15.33	2.55	5.07	3.74	18.31	3.06	6.40	1.45	---
24	2.34	16.81	10.92	12.19	2.58	6.12	3.64	17.07	2.66	5.45	1.37	---
25	1.82	15.97	9.33	6.25	2.38	5.47	3.73	12.70	1.99	4.38	1.29	---
26	1.56	15.32	4.81	5.06	2.23	8.06	6.79	6.25	1.70	4.09	1.28	.79
27	1.42	11.12	3.67	4.42	2.00	16.61	5.57	3.80	1.67	3.76	1.48	.76
28	1.36	5.79	3.09	3.70	1.86	18.86	3.91	5.33	1.48	3.62	1.47	.79
29	1.35	4.11	2.92	3.78	3.17	19.13	3.09	4.77	1.44	4.96	1.45	.79
30	1.36	3.27	2.78	3.74	---	19.04	2.94	3.67	1.44	4.83	1.47	2.89
31	8.61	---	2.55	3.48	---	18.22	---	3.28	---	3.97	1.37	---
MEAN	1.69	4.73	4.37	6.75	4.22	8.15	7.27	7.50	2.00	2.78	2.63	---
MAX	8.61	16.81	16.62	17.34	16.40	19.13	16.29	18.31	3.88	6.40	5.22	---
MIN	1.08	1.23	1.72	2.13	1.86	1.87	2.94	2.42	1.38	1.25	1.28	---

08012000 BAYOU NEZPIQUE NEAR BASILE, LA

LOCATION.--Lat 30°28'50", long 92°37'55", in NE¼NW¼ sec.1, T.7 S., R.3 W., Evangeline Parish, Hydrologic Unit 08080201, near left bank on U.S. Highway 190, 1,300 ft (400 m) downstream from New Orleans, Texas, and Mexico Railway Co. bridge, and 2.0 mi (3.2 km) west of Basile.

DRAINAGE.--527 mi^2 (1,365 km^2).

PERIOD OF RECORD.--October 1958 to current year.

REVISED RECORDS.--WSP 1512: 1945-55.

GAGE.--Water-stage recorder. Datum of gage is 3.39 ft (1.033 m) National Geodetic Vertical Datum of 1929. Prior to July 1947, nonrecording gage at same site and datum. Bayou Nezpique at Mamou pumping plant (station 08012020) used as auxiliary for this station since Mar. 27, 1945.

REMARKS.--Records good. Diversion at gaging station Bayou Nezpique at Mamou pumping plant near Basile (station 08012020) for irrigation by pumping may affect stage-discharge relation. Records of water temperatures for the water year 1980 are published under miscellaneous water-quality sites in this report.

AVERAGE DISCHARGE.--42 years, 825 ft ^{3}/s (23.36 m^3/s), 21.26 in/yr (540 mm/yr), 597,700 acre-ft/yr (737 hm^3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 35,800 ft^3/s) May 20, 1953, gage height, 34.39 ft (10.482 m); minimum discharge, 0.1 ft^3/s (0.003 m^3/s) June 7-31, 1943, June 22-29, 1948; minimum gage height, 1.00 ft (0.305 m) June 28, 1948.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 12,700 ft^3/s (360 m^3/s Mar. 31, gage height, 25.70 ft (7.833 m); minimum, 5.9 ft^3/s (0.17 m^3/s) Sept. 25, 26, gage height, 1.42 ft (0.433 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2300	754	3220	187	678	1920	12200	246	2000	52	207	56
2	1040	796	2710	148	320	3890	11400	191	1160	51	180	29
3	260	564	2880	123	226	4360	10300	153	308	51	150	18
4	180	333	1590	111	167	4020	7910	130	208	62	120	12
5	120	169	793	110	137	3480	5510	115	139	52	92	9.3
6	64	86	310	112	117	2900	3980	109	106	48	142	7.5
7	49	52	113	113	100	2390	3790	134	85	48	175	9.7
8	41	37	95	175	92	1950	3190	245	64	42	152	11
9	37	44	98	933	891	1370	2600	338	68	41	124	11
10	33	168	91	1770	2870	663	1520	377	72	40	116	12
11	29	223	80	2400	3690	281	626	226	68	59	96	10
12	30	209	73	3270	3480	288	453	138	59	84	76	8.5
13	30	214	475	3480	2990	251	1940	102	53	72	83	7.9
14	23	134	2320	3130	2410	224	2980	119	50	56	71	7.1
15	18	80	3500	2540	2060	170	3250	275	48	46	61	6.7
16	16	52	3440	2030	1860	146	2890	2440	47	42	54	6.7
17	14	37	2930	1680	1580	1270	2460	6380	46	38	39	6.8
18	13	28	2380	1380	1380	3160	2220	9040	48	42	28	7.1
19	13	24	1940	717	685	3710	2390	8590	59	45	29	6.7
20	12	20	1600	336	350	3580	2390	6790	188	80	28	7.0
21	11	17	1270	305	310	3620	2070	5700	937	130	23	7.0
22	13	255	633	696	231	3800	1520	5250	1340	210	20	7.4
23	15	2230	362	2370	191	3450	694	4940	1160	250	15	7.0
24	48	4070	655	3620	161	3120	306	6130	781	290	12	6.5
25	56	4680	1560	3510	143	2980	290	5850	413	352	9.5	6.1
26	64	4690	1530	3210	120	2540	396	5770	225	249	8.2	6.0
27	49	4560	1180	2760	96	3460	668	5030	135	173	7.3	7.0
28	31	4300	800	2280	79	6210	646	4550	90	132	7.7	8.4
29	20	3980	513	2000	107	9330	534	3870	69	186	13	10
30	15	3610	321	1740	---	11300	367	3070	52	266	68	27
31	190	---	237	1370	---	12500	---	2400	---	249	88	---
TOTAL	4834	36416	39699	48606	27521	102333	91490	88698	10078	3938	2294.7	342.4
MEAN	156	1214	1281	1568	949	3301	3050	2861	336	114	74.0	11.4
MAX	2300	4690	3500	3620	3690	12500	12200	9040	2000	352	207	56
MIN	11	17	73	110	79	146	290	102	46	38	7.3	6.0
AC-FT	9590	72230	78740	96410	54590	203000	181500	175900	19990	7020	4550	679

CAL YR 1979 TOTAL 554022.0 MEAN 1518 MAX 14400 MIN 11 AC-FT 1099000
WTR YR 1980 TOTAL 455850.1 MEAN 1245 MAX 12500 MIN 6.0 AC-FT 904200

08012000 BAYOU NEZPIQUE NEAR BASILE, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	18.24	10.70	19.90	5.30	12.01	15.10	25.55	6.14	---	3.31	5.58	3.11
2	14.86	10.98	19.18	4.75	8.08	19.49	25.23	5.35	---	3.26	5.19	2.40
3	10.28	9.59	18.30	4.35	5.86	20.64	24.64	4.81	9.45	3.27	4.80	2.02
4	6.66	7.25	16.96	4.16	5.01	20.79	23.75	4.47	6.47	3.53	4.38	1.81
5	4.26	5.03	13.77	4.14	4.58	20.40	22.66	4.22	4.79	3.29	3.95	1.66
6	3.21	3.68	9.42	4.17	4.24	19.65	21.67	4.12	4.13	3.18	4.69	1.58
7	2.84	2.93	6.29	4.19	3.96	18.74	20.85	4.49	3.74	3.19	5.13	1.67
8	2.65	2.54	4.62	5.07	3.81	17.70	19.98	6.12	3.38	---	4.82	1.75
9	2.53	2.68	4.05	11.38	10.39	15.93	18.85	7.32	3.41	---	4.44	1.70
10	2.40	5.01	3.79	14.97	17.76	12.35	16.86	7.80	3.40	---	4.32	1.76
11	2.29	5.81	3.56	17.04	19.44	8.75	13.22	5.85	3.31	3.47	4.02	1.69
12	2.34	5.62	3.40	18.97	19.68	6.77	10.82	4.58	3.11	3.90	3.65	1.60
13	2.31	5.69	7.60	19.64	19.27	6.22	15.68	3.99	2.94	3.71	3.79	1.57
14	2.10	4.52	16.47	19.39	18.43	5.83	18.32	4.21	2.89	---	3.55	1.52
15	1.94	3.55	18.98	18.58	17.58	5.05	19.08	8.03	2.83	---	3.32	1.50
16	1.85	2.92	19.44	17.55	16.88	4.71	18.90	17.05	2.81	---	3.14	1.49
17	1.78	2.52	19.05	16.50	16.21	12.39	18.27	22.43	2.77	---	2.76	1.49
18	1.73	2.26	18.20	15.32	15.02	18.32	17.80	23.97	2.84	---	2.44	1.50
19	1.73	2.12	17.15	12.96	12.03	19.63	17.83	23.88	3.10	---	2.45	1.48
20	1.69	1.99	16.00	10.04	8.89	19.89	17.80	23.03	5.10	---	2.41	1.48
21	1.65	1.89	14.28	8.46	6.97	20.23	17.28	---	11.60	---	2.25	1.49
22	1.72	5.33	10.80	10.04	5.93	20.52	15.79	---	13.37	---	2.12	1.49
23	1.83	16.13	7.61	16.59	5.35	20.29	12.14	---	12.65	---	1.96	1.48
24	2.81	19.73	9.84	19.12	4.93	19.81	8.55	23.02	10.89	---	1.83	1.45
25	3.03	21.04	14.23	19.63	4.67	19.27	6.72	22.85	8.16	7.22	1.73	7.50
26	3.22	21.51	14.48	19.52	4.29	18.81	7.96	---	5.84	6.18	1.67	1.42
27	2.85	21.56	13.33	18.90	3.87	20.03	10.32	---	4.63	5.11	1.61	1.47
28	2.34	21.35	11.63	18.09	3.53	22.72	10.20	---	4.01	4.56	1.63	1.54
29	2.01	20.99	9.14	17.32	3.88	24.15	9.38	---	3.65	5.30	1.83	1.63
30	1.84	20.51	7.11	16.52	---	25.05	8.23	---	3.29	6.42	3.38	2.22
31	5.12	---	6.02	15.25	---	25.61	---	---	---	6.19	3.81	---
MEAN	3.75	8.91	12.08	13.16	9.74	16.93	16.48	---	---	---	3.31	1.88
MAX	18.24	21.56	19.90	19.64	19.68	25.61	25.55	23.97	13.37	---	5.58	7.50
MIN	1.65	1.89	3.40	4.14	3.53	4.71	6.72	3.99	2.77	---	1.61	1.42

08013000 CALCASIEU RIVER NEAR GLENMORA, LA

LOCATION.--Lat 30°59'45", long 92°40'25", in SE¼SE¼ sec.4, T.1 S., R.3 W., Louisiana meridian, Rapides Parish, Hydrologic Unit 08080203, on right bank on downstream side of bridge on State Highway 113, 1.0 mi (1.6 km) upstream from Prairie Branch, and 4.6 mi (7.4 km) northwest of Glenmora.

DRAINAGE AREA.--499 mi² (1,292 km²).

PERIOD OF RECORD.--August 1943 to current year.

REVISED RECORD.--WSP 1118: 1944-47.

GAGE.--Water-stage recorder. Datum of gage is 110.77 ft (33.763 m) National Geodetic Vertical Datum of 1929. Prior to Nov. 19, 1949, nonrecording gage at same site and datum.

REMARKS.--Records good. Records of dissolved oxygen and water temperatures for water year 1980 are published under miscellaneous water-quality sites in this report.

AVERAGE DISCHARGE.--37 years, 723 ft³/s (20.48 m³/s), 19.68 in/yr (500 mm/yr), 523,800 acre-ft/yr (646 hm³/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 59,900 ft³/s (1,700 m³/s) May 19, 1953, gage height, 21.55 ft (6.568 m); minimum, 15 ft³/s (0.42 m³/s) Sept. 27, 28, Oct. 7-9, 1954, Oct. 18, 1956; minimum gage height, 3.86 ft (1.176 m) Oct. 18, 1956.

EXTREMES FOR CURRENT YEAR.--Peak discharge above base of 4,000 ft³/s (113 m³/s) and maximum (*):

Date	Time	Discharge (ft³/s)	Discharge (m³/s)	Gage height (ft)	Gage height (m)
Dec. 13	0245	7200	204	14.54	4.432
Jan. 26	1445	4880	138	13.96	4.255
Feb. 12	0300	12200	346	15.55	4.740
Mar. 31	0145	10100	286	15.15	4.618
Apr. 14	1530	*15900	450	*16.22	4.944
May 20	1145	4990	141	13.99	4.264

Minimum discharge, 22 ft³/s (0.62 m³/s) Sept. 28, 29, gage height, 4.31 ft (1.314 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	149	447	1610	901	1160	426	6230	2520	248	53	36	27
2	124	332	902	658	1020	630	4790	1970	196	50	35	27
3	107	353	510	553	1150	755	3950	1400	158	48	33	27
4	95	289	354	484	1410	905	2950	848	134	46	33	27
5	87	203	284	442	1670	925	2220	733	118	44	32	27
6	80	154	246	439	1640	940	1710	783	106	43	32	28
7	74	119	220	455	1260	797	1340	687	98	41	31	29
8	70	100	203	442	884	641	995	509	91	41	30	32
9	66	91	188	408	1560	544	691	343	85	40	30	32
10	62	111	177	375	2550	476	530	250	80	39	30	33
11	59	153	165	461	7570	435	424	209	76	38	30	32
12	57	218	1880	642	10800	397	1460	181	72	37	30	30
13	55	194	5530	637	6330	360	4110	160	69	36	29	29
14	53	173	3850	598	4100	325	13800	146	66	35	29	28
15	51	161	4860	544	3060	296	10500	137	63	35	29	27
16	50	134	4700	449	2380	270	5820	300	61	34	28	26
17	49	117	4420	385	1830	449	4040	547	59	35	28	26
18	48	102	3600	345	1280	761	3170	911	58	33	28	25
19	47	92	2790	318	907	1160	2640	1600	56	34	28	25
20	46	84	2100	298	725	1630	2070	4640	57	36	29	25
21	45	79	1420	277	633	2120	1670	4650	56	34	28	24
22	58	98	817	710	567	2670	1410	4160	56	34	27	24
23	109	840	558	2320	506	2740	1280	3440	59	35	27	24
24	105	1580	595	3360	454	2630	1010	2830	64	34	27	24
25	175	1850	841	4020	409	2460	637	2300	88	43	26	24
26	236	2540	1100	4690	364	2270	670	1730	99	44	26	23
27	203	3570	1300	4170	324	2270	1490	1250	85	40	27	23
28	135	3520	1380	3290	288	3250	3370	1060	69	38	28	22
29	98	2930	1440	2570	269	3890	3530	659	60	39	26	24
30	81	2250	1500	2000	---	6890	3120	398	55	39	27	29
31	279	---	1300	1580	---	8900	---	299	---	35	27	---
TOTAL	2953	22884	50840	38821	57100	53212	91627	41650	2642	1213	906	803
MEAN	95.3	763	1640	1252	1969	1717	3054	1344	88.1	39.1	29.2	26.8
MAX	279	3570	5530	4690	10800	8900	13800	4650	248	53	36	33
MIN	45	79	165	277	269	270	424	137	55	33	26	22
AC-FT	5860	45390	100800	77000	113300	105500	181700	82610	5240	2410	1800	1590

CAL YR 1979 TOTAL 383021 MEAN 1049 MAX 7680 MIN 41 AC-FT 759700
WTR YR 1980 TOTAL 364651 MEAN 996 MAX 13800 MIN 22 AC-FT 723300

08013000 CALCASIEU RIVER NEAR GLENMORA, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.87	9.49	12.17	11.12	11.60	9.16	14.34	12.95	7.99	5.11	4.70	4.42
2	6.51	8.70	11.10	10.48	11.36	10.36	13.91	12.54	7.44	5.06	4.68	4.43
3	6.24	8.86	9.84	9.99	11.59	10.80	13.61	11.92	6.99	4.77	4.64	4.43
4	6.03	8.34	8.86	9.61	11.95	11.14	13.18	11.02	6.66	4.96	4.62	4.43
5	5.85	7.55	8.31	9.32	12.25	11.29	12.75	10.77	6.41	4.91	4.61	4.43
6	5.71	6.93	7.98	9.30	12.21	11.24	12.28	10.88	6.23	4.88	4.60	4.47
7	5.59	6.43	7.72	9.42	11.74	10.90	11.86	10.62	6.07	4.85	4.58	4.48
8	5.50	6.11	7.53	9.33	11.09	10.41	11.31	9.84	5.93	4.84	4.55	4.56
9	5.41	5.95	7.36	9.08	12.06	9.94	10.58	8.77	5.82	4.80	4.54	4.54
10	5.33	6.30	7.23	8.83	12.96	9.56	9.86	8.01	5.72	4.78	4.54	4.57
11	5.26	6.91	7.07	9.41	14.57	9.27	9.20	7.59	5.63	4.77	4.53	4.54
12	5.21	7.70	9.91	10.42	15.32	9.00	11.54	7.28	5.55	4.74	4.53	4.50
13	5.17	7.45	14.12	10.49	14.35	8.71	13.58	7.02	5.48	4.72	4.51	4.48
14	5.12	7.18	13.57	10.34	13.66	8.42	15.89	6.82	5.42	4.70	4.50	4.46
15	5.08	7.02	13.93	9.94	13.23	8.17	15.25	6.70	5.35	4.68	4.50	4.43
16	5.05	6.65	13.88	9.37	12.87	7.93	14.22	8.42	5.30	4.67	4.48	4.41
17	5.03	6.41	13.79	8.91	12.41	9.26	13.64	9.99	5.26	4.69	4.48	4.40
18	5.01	6.15	13.47	8.59	11.77	10.79	13.28	11.14	5.23	4.66	4.47	4.39
19	4.98	5.97	13.09	8.37	11.14	11.59	13.02	12.12	5.20	4.68	4.48	4.38
20	4.97	5.81	12.65	8.18	10.72	12.20	12.63	13.86	5.21	4.73	4.48	4.37
21	4.94	5.69	11.93	7.99	10.38	12.67	12.23	13.86	5.19	4.68	4.46	4.37
22	5.22	6.09	10.93	9.59	10.06	13.03	11.94	13.69	5.18	4.68	4.44	4.35
23	6.26	10.63	10.10	12.79	9.74	13.12	11.78	13.41	5.25	4.69	4.43	4.34
24	6.19	12.14	10.26	13.36	9.41	13.01	11.33	13.12	5.37	4.68	4.42	4.34
25	7.20	12.43	11.01	13.68	9.09	12.92	10.42	12.81	5.88	4.87	4.41	4.36
26	7.89	12.94	11.50	13.88	8.74	12.80	10.52	12.30	6.09	4.91	4.40	4.34
27	7.52	13.46	11.81	13.69	8.41	12.78	11.97	11.74	5.81	4.80	4.42	4.32
28	6.66	13.44	11.91	13.34	8.10	13.32	13.37	11.43	5.48	4.78	4.44	4.31
29	6.07	13.17	11.99	12.98	7.92	13.59	13.50	10.47	5.28	4.79	4.42	4.35
30	5.74	12.77	12.05	12.56	---	14.48	13.26	9.16	5.18	4.78	4.42	4.49
31	7.95	---	11.79	12.14	---	14.96	---	8.44	---	4.69	4.44	---
MEAN	5.86	8.49	10.93	10.53	11.40	11.19	12.54	10.60	5.79	4.79	4.51	4.42
MAX	7.95	13.46	14.12	13.88	15.32	14.96	15.89	13.86	7.99	5.11	4.70	4.57
MIN	4.94	5.69	7.07	7.99	7.92	7.93	9.20	6.70	5.18	4.66	4.40	4.31

08013500 CALCASIEU RIVER NEAR OBERLIN, LA

LOCATION.--Lat 30°38'25", long 92°48'50", in NW¼NE¼ sec.7, T.5 S., R.4 W., Allen Parish, Hydrologic Unit 08080203, near right bank on downstream side of bridge on State Highway 26, 3.0 mi (4.8 km) northwest of Oberlin, and 15 mi (24 km) upstream from Whisky Chitto Creek.

DRAINAGE AREA.--753 mi^2 (1,950 km^2).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--August 1922 to January 1925, September 1938 to current year.

REVISED RECORDS.--WSP 1512: 1923, 1939 (M).

GAGE.--Water-stage recorder. Datum of gage is 39.43 ft (12.018 m) National Geodetic Vertical Datum of 1929. Prior to February 1925 at datum about 2.5 ft (0.76 m) higher. September 1938 to Aug. 7, 1939, nonrecording gage at same site and present datum.

REMARKS.--Water-discharge records good. Paper mill at Elizabeth pumps about 11 ft^3/s (0.3 m^3/s) of water from wells which is later discharged into Mill Creek 20 mi (32 km) upstream from station. This discharge is continuous and fairly constant. Some small diversions from April to September for rice irrigation upstream from station.

AVERAGE DISCHARGE.--44 years (water years 1923-24, 1939-80) 1,151 ft^3/s (32.60 m^3/s), 20.76 in/yr (527 mm/yr), 833,900 acre-ft/yr (1.03 km^3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 72,800 ft^3/s (2,060 m^3/s) May 19, 1953, gage height, 26.53 ft (8.086 m); minimum, 30 ft^3/s (0.85 m^3/s) Sept. 28, 29, Oct. 17-19, 1956; minimum gage height, 1.37 (0.417 m) Oct. 29, 30, Nov. 5, 6, 1978.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in June 1886 reached a stage of between 22 and 23 ft (6.7 and 7.0 m), present datum.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 8,000 ft^3/s (230 m^3/s) and maximum (*):

Date	Time	Discharge (ft^3/s)	Discharge (m^3/s)	Gage height (ft)	Gage height (m)	Date	Time	Discharge (ft^3/s)	Discharge (m^3/s)	Gage height (ft)	Gage height (m)
Dec. 15	0800	14400	408	18.48	4.633	Mar. 30	0500	*23700	671	*20.04	6.108
Feb. 14	1430	10400	295	17.65	5.380	Apr. 16	1645	15600	442	18.69	5.697

Minimum discharge, 35 ft^3/s (0.99 m^3/s) Sept. 6, 7, gage height, 1.45 ft (0.442 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1290	440	3260	1380	2920	4030	9650	2830	906	110	72	37
2	728	570	2940	1380	2380	3950	9910	3560	593	105	68	36
3	479	582	2440	1290	1860	2740	8440	3320	447	100	65	36
4	381	496	1810	1140	1440	1570	6720	2800	370	95	63	36
5	320	419	1220	1020	1250	1160	5560	2190	313	90	61	36
6	281	384	895	834	1240	1140	4480	1550	268	87	60	35
7	253	328	574	701	1360	1170	3550	1100	235	83	58	35
8	232	271	471	719	1510	1210	2800	917	215	81	57	39
9	215	237	411	1240	2580	1200	2130	859	197	80	56	54
10	198	285	370	1250	4680	1070	1610	761	184	83	55	53
11	184	457	340	1340	5450	904	1250	599	170	81	53	48
12	174	371	320	1640	5100	759	1180	458	159	80	52	44
13	165	288	1050	1580	5560	659	2110	383	150	78	51	44
14	157	276	6050	1200	9770	575	4040	342	143	77	50	43
15	150	275	12900	982	8490	514	6950	315	136	76	49	47
16	144	253	8620	872	6110	519	13700	1550	130	75	48	48
17	140	240	6160	821	4650	1310	11600	4660	124	74	47	48
18	136	221	5320	882	3660	1450	8150	5700	120	73	47	47
19	132	200	4890	733	2920	1150	6060	4650	117	75	46	47
20	130	184	4430	607	2280	1160	4590	3070	268	75	46	47
21	127	172	3800	550	1690	1820	3710	1990	973	74	45	46
22	132	505	3140	1060	1300	2330	3090	4790	305	73	45	45
23	189	2400	2520	3500	1070	2390	2500	7250	200	73	44	45
24	195	4400	2000	4670	921	2470	1960	6340	170	73	44	48
25	180	4710	1740	4460	800	2790	1620	4680	150	72	43	46
26	187	4750	1470	4070	697	3050	1480	3730	140	71	43	44
27	205	4150	1280	3930	610	3890	1280	3100	135	70	42	44
28	243	3270	1200	4320	539	7210	1030	2670	128	70	42	45
29	260	2940	1230	4680	725	13800	1030	2260	121	77	40	46
30	230	3180	1300	4260	---	21300	1580	1840	117	81	38	64
31	224	---	1350	3560	---	11700	---	1370	---	77	38	---
TOTAL	8061	37254	85411	60671	83562	100990	133760	81634	7684	2489	1568	1333
MEAN	260	1242	2755	1957	2881	3258	4459	2633	256	80.3	50.6	44.4
MAX	1290	4750	12900	4680	9770	21300	13700	7250	973	110	72	64
MIN	127	172	320	550	539	514	1030	315	117	70	38	35
AC-FT	15990	73890	169400	120300	165700	200300	265300	161900	15240	4940	3110	2640

CAL YR 1979 TOTAL 635589 MEAN 1741 MAX 25100 MIN 89 AC-FT 1261000
WTR YR 1980 TOTAL 604417 MEAN 1651 MAX 21300 MIN 35 AC-FT 1199000

08013500 CALCASIEU RIVER NEAR OBERLIN, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.65	4.37	12.19	7.95	11.57	13.36	17.39	11.38	6.67	2.43	---	1.49
2	5.67	5.03	11.60	7.96	10.44	13.30	17.49	12.71	5.46	2.37	---	1.48
3	4.59	5.08	10.57	7.66	9.26	11.17	16.87	12.30	4.77	2.32	---	1.48
4	4.06	4.68	9.13	7.18	8.13	8.46	16.01	11.35	4.33	2.28	---	1.47
5	3.70	4.27	7.45	6.75	7.53	7.24	15.16	10.13	3.99	2.23	---	1.46
6	3.45	4.08	5.97	6.09	7.52	7.20	14.04	8.63	3.71	2.19	---	1.46
7	3.27	3.75	5.04	5.57	7.90	7.29	12.68	7.34	3.49	2.16	---	1.46
8	3.12	3.39	4.55	5.63	8.33	7.42	11.35	6.73	3.34	2.13	---	1.49
9	3.00	3.16	4.23	7.50	10.79	7.38	9.99	6.52	3.21	2.12	---	1.69
10	2.87	3.47	4.00	7.54	14.18	6.96	8.79	6.15	3.10	2.15	---	1.67
11	2.76	4.48	3.82	7.82	15.06	6.35	7.79	5.49	2.99	2.13	---	1.61
12	2.68	3.99	3.69	8.71	14.72	5.60	7.57	4.82	2.89	2.12	---	1.55
13	2.61	3.50	6.41	8.54	15.02	5.40	9.93	4.41	2.81	2.10	---	1.54
14	2.53	3.42	15.08	7.39	17.44	5.05	13.31	4.17	2.75	2.09	---	1.54
15	2.47	3.42	18.21	6.64	16.89	4.77	16.09	4.00	2.69	2.08	---	1.58
16	2.42	3.27	16.93	6.24	15.59	4.77	18.36	8.04	2.63	2.07	---	1.59
17	2.38	3.18	15.65	6.04	14.23	7.72	17.89	14.15	2.58	2.05	---	1.58
18	2.35	3.04	14.93	6.27	12.85	8.16	16.73	15.30	2.54	2.05	---	1.58
19	2.32	2.89	14.52	5.70	11.56	7.21	15.56	14.22	2.51	2.07	---	1.57
20	2.29	2.76	14.00	5.19	10.22	7.24	14.16	11.82	3.58	2.07	---	1.57
21	2.27	2.66	13.08	4.94	8.82	9.14	12.94	9.70	6.89	2.06	---	1.57
22	2.32	4.44	11.97	6.64	7.71	10.33	11.88	14.10	3.91	2.05	---	1.56
23	2.79	10.39	10.74	12.51	6.96	10.46	10.75	16.46	---	2.05	---	1.55
24	2.85	13.93	9.59	14.29	6.42	10.62	9.63	15.76	---	2.04	---	1.59
25	2.73	14.33	8.98	14.06	5.96	11.32	8.83	14.26	---	2.03	---	1.56
26	2.78	14.37	8.22	13.49	5.55	11.81	8.46	12.97	---	2.03	---	1.54
27	2.93	13.61	7.63	13.29	5.20	13.19	7.88	11.91	---	2.02	---	1.54
28	3.20	12.20	7.37	13.85	4.89	16.17	7.10	11.12	---	2.01	1.57	1.55
29	3.31	11.60	7.48	14.30	5.49	18.28	7.11	10.27	---	2.09	1.53	1.56
30	3.11	12.04	7.70	13.78	---	19.68	8.69	9.36	2.50	2.12	1.51	1.79
31	3.06	---	7.85	12.70	---	17.92	---	8.13	---	---	1.50	---
MEAN	3.15	6.16	9.63	8.78	10.21	9.72	12.35	10.12	---	---	---	1.56
MAX	7.65	14.37	18.21	14.30	17.44	19.68	18.36	16.46	6.89	2.43	---	1.79
MIN	2.27	2.66	3.69	4.94	4.89	4.77	7.10	4.00	2.50	2.01	1.50	1.46

08013500 CALCASIEU RIVER NEAR OBERLIN, LA--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1944, 1949, 1966-70, 1976 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: October 1975 to June 1977.
pH: October 1975 to June 1977.
WATER TEMPERATURES: October 1975 to June 1977.
DISSOLVED OXYGEN: October 1975 to June 1977.

INSTRUMENTATION.--Water-quality monitor since October 1975.

REMARKS.--Water-quality monitor is temporarily out of operation due to bridge construction.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE, WATER (DEG C)	COLOR (PLATINUM COBALT UNITS)	TURBIDITY (JTU)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)
NOV 05...	1430	47	6.1	15.5	100	20	8.8	1.5	420	180	10	1
JAN 07...	1330	55	5.9	10.5	60	20	9.8	1.1	K380	110	12	3
APR 21...	1530	25	5.3	19.0	20	20	7.6	2.1	K60	440	5	3
JUL 07...	1345	175	6.4	32.0	60	7	--	--	K20	330	18	0

DATE	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM ADSORPTION RATIO	POTASSIUM, DISSOLVED (MG/L AS K)	BICARBONATE (MG/L AS HCO3)	CARBONATE (MG/L AS CO3)	ALKALINITY (MG/L AS CACO3)	CARBON DIOXIDE DISSOLVED (MG/L AS CO2)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)
NOV 05...	2.5	.8	4.5	52	.6	2.2	11	0	9	14	7.8	4.1
JAN 07...	3.0	1.1	6.4	51	.8	1.1	11	0	9	22	6.8	5.8
APR 21...	1.5	.4	2.2	43	.4	.8	3	0	2	24	4.3	2.4
JUL 07...	5.4	1.2	28	74	2.8	2.4	52	0	43	33	28	7.1

DATE	FLUORIDE, DISSOLVED (MG/L AS F)	SILICA, DISSOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L)	SOLIDS, DISSOLVED (TONS PER AC-FT)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS NO3)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS TOTAL (MG/L AS PO4)
NOV 05...	.0	9.7	45	37	.06	.08	.71	.79	3.5	.040	.12
JAN 07...	.1	15	64	45	.09	.05	.85	.90	4.0	.040	.12
APR 21...	.1	6.4	36	19	.05	.03	.96	.99	4.4	.150	.46
JUL 07...	.2	20	143	118	.19	.10	1.1	1.2	5.3	.040	.12

K Results based on colony count outside the acceptable range (non-ideal count).

08013500 CALCASIEU RIVER NEAR OBERLIN, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	ARSENIC DIS- SOLVED (UG/L AS AS)	ARSENIC TOTAL IN BOT- TOM MA- TERIAL (UG/G AS AS)	CADMIUM DIS- SOLVED (UG/L AS CD)	CADMIUM RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CD)	CHRO- MIUM, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	CHRO- MIUM, HEXA- VALENT, DIS. (UG/L AS CR)	COPPER, DIS- SOLVED (UG/L AS CU)	COPPER, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CU)	IRON, DIS- SOLVED (UG/L AS FE)	IRON, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS FE)	LEAD, DIS- SOLVED (UG/L AS PB)	LEAD, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS PB)
NOV 05...	1	0	2	0	1	0	5	0	190	260	0	0

DATE	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MANGA- NESE, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	MERCURY RECOV. FM BOT- TOM MA- TERIAL (UG/G AS HG)	ZINC, DIS- SOLVED (UG/L AS ZN)	ZINC, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	PCB, TOTAL (UG/L)	PCB, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	NAPH- THA- LENES, POLY- CHLOR. TOTAL (UG/L)
NOV 05...	40	43	.2	.00	20	0	13	.00	2	.0	0	.00

DATE	PCN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	CHLOR- DANE, TOTAL (UG/L)	CHLOR- DANE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDE, TOTAL (UG/L)	DDE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- AZINON, TOTAL (UG/L)
NOV 05...	0	.00	.0	.0	0	.00	.0	.00	.0	.00	.0	.01

DATE	DI- AZINON, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- ELDRIN TOTAL (UG/L)	DI- ELDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ENDO- SULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ENDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ETHION, TOTAL (UG/L)	ETHION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR, TOTAL (UG/L)	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR EPOXIDE TOTAL (UG/L)	HEPTA- CHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)
NOV 05...	.0	.00	.0	.00	.00	.0	.00	.0	.00	.0	.00	.0

DATE	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	MALA- THION, TOTAL (UG/L)	MALA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	METH- OXY- CHLOR, TOTAL (UG/L)	METH- OXY- CHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARA- THION, TOTAL (UG/L)	METHYL PARA- THION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRI- THION, TOTAL (UG/L)	METHYL TRI- THION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, TOTAL (UG/L)
NOV 05...	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00

DATE	MIREX, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	PARA- THION, TOTAL (UG/L)	PARA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	PER- THANE TOTAL (UG/L)	TOX- APHENE, TOTAL (UG/L)	TOXA- PHENE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL TRI- THION (UG/L)	TRI- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	2,4-D, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
NOV 05...	.0	.00	.0	.00	0	0	.00	.0	.13	.01	.00

08014500 WHISKY CHITTO CREEK NEAR OBERLIN, LA

LOCATION.--Lat 30°41'55", long 92°53'35", in NE¼NE¼ sec.20, T.4 S., R.5 W., Allen Parish, Hydrologic Unit 08080204, near left bank on downstream side of bridge on State Highway 26, 1.0 mi (1.6 km) downstream from Tenmile Creek, 8.0 mi (12.9 km) upstream from Bundick Creek, and 10 mi (16 km) northwest of Oberlin.

DRAINAGE AREA.--510 mi^2 (1,321 km^2).

PERIOD OF RECORD.--January 1939 to current year.

GAGE.--Water-stage recorder. Datum of gage is 46.24 ft (14.094 m) National Geodetic Vertical Datum of 1929. Prior to Oct. 19, 1944, nonrecording gage at same site and datum.

REMARKS.--Records good except those for periods of no gage-height record,which are fair. Records of dissolved oxygen and water temperatures for water year 1980 are published under miscellaneous water-quality sites in this report.

AVERAGE DISCHARGE.--41 years, 812 ft^3/s (23.08 m^3/s), 21.62 in/yr (549 mm/yr), 588,300 acre-ft/yr (725 hm^3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 144,000 ft^3/s (4,080 m^3/s) May 18, 1953, (gage height, 32.8 ft or 10.00 m, from floodmark), from rating curve extended above 35,000 ft^3/s (990 m^3/s) on basis of slope-area measurement of peak flow; minimum, 88 ft^3/s (2.49 m^3/s) Oct. 19, 20, 1956; minimum gage height, 2.48 ft (0.756 m) Aug. 17, 1973.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in June 1886 reached a stage of 25.7 ft (7.83 m), from floodmarks preserved by local residents.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 3,000 ft^3/s (85 m^3/s) and maximum (*):

Date	Time	Discharge (ft^3/s)	Discharge (m^3/s)	Gage height (ft)	Gage height (m)	Date	Time	Discharge (ft^3/s)	Discharge (m^3/s)	Gage height (ft)	Gage height (m)
Dec. 14	unknown	9960	282	a18.98	5.785	Apr. 14	1630	*14300	405	*20.32	6.194
Jan. 24	unknown	3560	101	a12.67	3.862	Apr. 29	2015	3060	86.7	11.73	3.575
Feb. 13	0230	5770	163	15.54	4.737	May 16	---	3000	85.0	unknown	
Mar. 30	0745	13500	382	20.13	6.136	May 21	unknown	4430	125	a13.91	4.240

a From floodmark.

Minimum discharge, 156 ft^3/s (4.42 m^3/s) Sept. 22, 23, 24, 25, gage height, 2.61 ft (0.796 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	520	313	1150	590	930	1670	7400	1040	508	265	198	170
2	483	571	900	570	954	2130	5700	814	472	255	196	169
3	453	569	800	550	763	2060	3870	756	446	245	194	169
4	426	402	750	520	643	1700	2450	743	425	240	192	168
5	400	332	700	510	590	1040	1830	726	408	235	190	168
6	382	300	650	500	551	843	1320	652	394	230	188	167
7	364	282	600	520	526	804	1010	640	380	232	187	167
8	349	272	550	600	540	740	899	610	370	230	185	260
9	339	285	510	800	2090	722	864	580	360	228	184	230
10	326	438	490	900	4030	709	791	560	350	226	183	200
11	316	449	460	1200	4390	641	706	540	341	222	181	190
12	309	649	450	1100	5260	589	1130	525	336	219	180	182
13	302	491	3000	800	5490	556	3500	510	320	216	179	178
14	291	376	8000	650	3690	538	10700	500	312	212	178	173
15	285	331	5500	600	1520	524	9960	2000	305	208	178	170
16	283	306	4000	540	1130	489	7360	3000	300	204	177	167
17	278	290	3000	500	1020	607	5400	2500	295	211	176	164
18	270	279	2500	540	953	1040	3190	1800	290	208	175	162
19	267	271	2000	480	880	1430	1790	1500	280	201	173	161
20	267	264	1500	450	785	1570	1580	2400	300	198	172	161
21	264	260	1200	470	738	1730	1280	4000	800	196	172	159
22	285	396	950	1000	706	1890	1000	3700	600	194	171	158
23	571	1650	830	2500	678	1870	861	2000	450	192	170	157
24	734	2640	770	3000	635	1560	771	1300	390	190	170	157
25	597	2550	700	2700	597	1200	717	800	340	190	169	158
26	430	2000	740	2250	561	1340	1000	700	320	200	169	173
27	346	1500	900	2000	533	1800	1790	646	310	220	169	204
28	310	1200	780	1600	508	4730	2300	660	295	212	168	175
29	290	1000	680	1090	501	7640	2900	646	285	206	168	186
30	277	1400	640	866	---	12400	2380	633	275	202	168	192
31	297	---	610	810	---	9150	---	566	---	200	170	---
TOTAL	11311	22066	46310	31206	42264	65712	86449	38047	11257	6687	5530	5295
MEAN	365	736	1494	1007	1457	2120	2882	1227	375	216	178	177
MAX	734	2640	8000	3000	5490	12400	10700	4000	800	265	198	260
MIN	264	260	450	450	508	489	706	500	275	190	168	157
AC-FT	22440	43770	91860	61900	83830	130300	171500	75470	22330	13260	10970	10500

CAL YR 1979 TOTAL 445450 MEAN 1220 MAX 16200 MIN 213 AC-FT 883500
WTR YR 1980 TOTAL 372134 MEAN 1017 MAX 12400 MIN 157 AC-FT 738100

NOTE.--No gage-height record Nov. 25 to Jan. 28, July 11 to Aug. 27.

08014500 WHISKY CHITTO CREEK NEAR OBERLIN, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.44	3.67	---	---	6.37	8.26	17.13	6.32	4.35	---	---	---
2	4.29	4.71	---	---	6.45	9.58	15.45	5.57	4.21	---	---	---
3	4.19	4.70	---	---	5.80	9.40	13.04	5.34	4.10	---	---	---
4	4.07	4.03	---	---	5.36	8.36	10.37	5.29	4.02	---	---	---
5	3.97	3.75	---	---	5.15	6.32	8.75	5.22	3.95	---	---	---
6	3.90	3.62	---	---	5.00	5.66	7.23	4.93	3.90	---	---	---
7	3.84	3.55	---	---	4.90	5.53	6.22	---	3.84	3.11	---	---
8	3.78	3.50	---	---	4.95	5.28	5.86	---	3.80	3.10	---	---
9	3.74	3.55	---	---	9.39	5.21	5.75	---	3.75	3.09	---	---
10	3.69	4.18	---	---	13.33	5.15	5.48	---	3.70	3.07	---	---
11	3.66	4.22	---	---	13.86	4.88	5.15	---	3.66	---	---	---
12	3.63	5.02	---	---	14.96	4.68	6.52	---	3.63	---	---	---
13	3.60	4.39	---	---	15.23	4.55	12.40	---	---	---	---	---
14	3.56	3.93	---	---	12.67	4.47	18.61	---	---	---	---	---
15	3.54	3.75	---	---	7.84	4.42	18.87	---	---	---	---	---
16	3.53	3.65	---	---	6.62	4.28	17.09	---	---	---	---	---
17	3.51	3.58	---	---	6.25	4.75	15.10	---	---	---	---	2.66
18	3.48	3.54	---	---	6.04	6.35	11.80	---	---	---	---	2.65
19	3.47	3.50	---	---	5.80	7.58	8.62	---	---	---	---	2.64
20	3.47	3.47	---	---	5.46	8.00	8.04	---	---	---	---	2.64
21	3.45	3.44	---	---	5.27	8.46	7.12	---	---	---	---	2.62
22	3.56	4.01	---	---	5.14	8.93	6.21	---	---	---	---	2.62
23	4.69	8.14	---	---	5.00	8.85	5.74	---	---	---	---	2.61
24	5.33	10.85	---	---	4.86	7.96	5.40	---	---	---	---	2.61
25	4.81	---	---	---	4.71	6.86	5.19	---	---	---	---	2.62
26	4.14	---	---	---	4.56	7.32	6.19	---	---	---	---	2.72
27	3.81	---	---	---	4.45	8.63	8.64	4.91	---	---	---	2.93
28	3.66	---	---	---	4.35	14.24	9.99	4.96	---	---	2.69	2.73
29	3.58	---	---	6.90	4.64	17.15	11.40	4.90	---	---	2.69	2.81
30	3.53	---	---	6.16	---	19.81	10.11	4.85	---	---	2.69	2.85
31	3.61	---	---	5.97	---	18.48	---	4.58	---	---	2.70	---
MEAN	3.86	---	---	---	7.05	8.05	9.78	---	---	---	---	---
MAX	5.33	10.85	---	---	15.23	19.81	18.87	---	---	---	---	---
MIN	3.45	3.44	---	---	4.35	4.28	5.15	---	---	---	2.69	2.61

08015500 CALCASIEU RIVER NEAR KINDER, LA
(National stream-quality accounting network station)

LOCATION.--Lat 30°30'10", long 92°54'55", in NW¼SE¼ sec.30, T.6 S., R.5 W., Allen Parish, Hydrologic Unit 08080203, on left bank 50 ft (15 m) upstream from new bridge on U.S. Highway 190, 0.5 mi (0.8 km) downstream from Whisky Chitto Creek, and 4.0 mi (6.4 km) west of Kinder. Prior to July 18, 1980, on left bank on downstream side of former bridge on U.S. Highway 190.

DRAINAGE AREA.--1,700 mi² (4,403 km²).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--August 1922 to January 1925, October 1938 to September 1957, October 1961 to current year. October 1957 to September 1961 (annual maximums) from National Weather Service.

GAGE.--Water-stage recorder. Datum of gage is 11.95 ft (3.642 m) National Geodetic Vertical Datum of 1929. August 1922 to January 1925, water-stage recorder 400 ft (122 m) downstream at datum 1.77 ft (0.539 m) higher. October 1938 to July 9, 1939, nonrecording gage at present site and datum.

REMARKS.--Records good. Paper mill at Elizabeth pumps about 11 ft³/s (0.3 m³/s) from wells which is later discharged into Mill Creek 36 mi (58 km) above station. This discharge is continuous and fairly constant. Water is diverted during period April to September at points just above station and 5.0 mi (8.0 km) above station for the irrigation of about 7,500 acres (30 km²) of rice, part of which is below station. The maximum rate of withdrawal is about 100 ft³/s (2.8 m³/s) and this diversion results in marked regulation of the low-water flow. Records of water temperatures for water year 1980 are published under miscellaneous water-quality sites in this report.

AVERAGE DISCHARGE.--40 years (water years 1923-24, 1939-57, 1962-80), 2,581 ft³/s (73.09 m³/s), 1,870,000 acre-ft/yr (2.31 km³/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 182,000 ft³/s (5,150 m³/s) May 19, 1953, gage height, 32.00 ft (9.754 m); minimum, 136 ft³/s (3.85 m³/s) Aug. 15, 1956; minimum gage height, 1.69 ft (0.515 m) Nov. 4, 5, 1978.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 42,100 ft³/s (1,192 m³/s) Mar. 31, gage height, 21.05 ft (6.416 m); minimum daily, 208 ft³/s (5.89 m³/s) Aug. 26.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2870	687	4300	2430	5100	4460	25000	4930	2230	460	397	371
2	1890	991	4060	2420	4520	7610	19700	4360	1610	418	383	378
3	1330	1350	3760	2340	3890	7680	17800	4330	1210	403	369	377
4	1100	1260	3240	2200	3140	5850	14600	4250	1010	380	336	376
5	973	1010	2490	2080	2550	4090	11000	3880	882	375	307	379
6	881	855	1860	1920	2290	3180	6480	3270	763	362	287	371
7	818	763	1440	1680	2250	2650	6480	2510	698	346	271	366
8	772	677	1220	1570	2330	2460	5150	2090	653	341	255	346
9	736	624	1100	2230	4170	2390	4190	1850	665	346	250	300
10	702	693	1030	2790	8020	2290	3570	1720	611	341	246	307
11	679	896	969	2870	10500	2080	2830	1580	572	329	240	306
12	653	1130	997	3590	11600	1830	2570	1390	557	320	236	305
13	635	1120	3910	3740	12000	1630	4260	1220	508	313	235	304
14	614	884	15600	3450	12200	1480	6970	1150	498	307	231	300
15	596	760	26400	2670	13200	1340	17000	1140	476	296	229	285
16	580	686	25500	2140	11300	1320	19200	6080	461	296	226	268
17	569	634	20100	1920	8420	2520	20700	14700	443	292	220	268
18	553	599	15200	1920	6690	3410	18400	18300	426	285	215	278
19	538	565	10200	1850	5140	3440	12700	15700	414	285	215	289
20	528	535	6970	1640	4210	3470	8720	13300	758	285	215	291
21	519	510	6110	1580	3430	4500	6700	10700	2890	280	215	293
22	545	958	5040	2050	2840	4970	5400	10400	2150	275	214	289
23	653	4040	4550	6650	2340	5150	4430	11500	1050	275	214	294
24	1110	6500	4060	10500	2060	5150	3690	11500	747	275	212	299
25	1120	7930	4000	11700	1860	4960	3170	9190	643	283	210	296
26	951	8620	3980	12900	1680	4860	2750	6480	601	294	208	301
27	782	8760	3740	12800	1520	7360	3030	5130	559	322	229	514
28	703	8400	3230	10600	1390	11900	3550	4580	523	478	294	397
29	675	6230	2640	7290	1350	18900	3960	4240	517	499	351	327
30	642	4650	2420	6320	---	36500	4580	3530	487	463	402	394
31	659	---	2370	5720	---	39000	---	2910	---	430	377	---
TOTAL	26376	73317	192486	135560	151990	208430	270580	187910	25612	10654	8289	9869
MEAN	851	2444	6209	4373	5241	6724	9019	6062	854	344	267	329
MAX	2870	8760	26400	12900	13200	39000	25000	18300	2890	499	402	514
MIN	519	510	969	1570	1350	1320	2570	1140	414	275	208	268
AC-FT	52320	145400	381800	268900	301500	413400	536700	372700	50800	21130	16440	19580

CAL YR 1979 TOTAL 1470858 MEAN 4030 MAX 45800 MIN 437 AC-FT 2917000
WTR YR 1980 TOTAL 1301073 MEAN 3555 MAX 39000 MIN 208 AC-FT 2581000

08015500 CALCASIEU RIVER NEAR KINDER--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.03	4.00	11.28	8.15	12.31	10.12	19.07	12.11	7.74	3.19	3.02	3.02
2	6.96	4.84	10.95	8.14	11.59	13.99	18.02	11.37	6.42	3.06	2.97	2.97
3	5.69	5.73	10.50	7.96	10.69	14.48	17.59	11.33	5.55	3.01	2.92	2.92
4	5.12	5.52	9.66	7.63	9.49	13.48	16.83	11.22	5.08	2.94	2.80	2.80
5	4.80	4.89	8.27	7.33	8.40	11.58	15.83	10.68	4.76	2.92	2.68	2.68
6	4.56	4.48	6.77	6.93	7.85	9.56	14.89	9.51	4.46	2.87	2.59	2.59
7	4.38	4.22	5.73	6.31	7.74	8.60	13.92	8.33	4.28	2.82	2.52	2.52
8	4.25	3.98	5.15	6.05	7.93	8.23	12.71	7.36	4.14	2.80	2.44	2.44
9	4.15	3.81	4.83	7.66	10.25	8.07	11.46	6.74	4.18	2.82	2.42	2.42
10	4.05	4.01	4.69	8.88	13.99	7.84	10.20	6.41	4.00	2.80	2.40	2.40
11	3.99	4.59	4.45	9.01	15.69	7.34	8.94	6.07	3.87	2.75	2.37	2.37
12	3.90	5.21	4.53	10.23	16.02	6.71	8.45	5.61	3.82	2.71	2.35	2.35
13	3.84	5.17	9.56	10.49	16.14	6.21	10.57	5.18	3.66	2.68	2.34	2.34
14	3.77	4.56	15.70	10.01	16.19	5.83	13.35	4.96	3.63	2.65	2.29	2.29
15	3.71	4.22	19.10	8.63	16.46	5.49	16.88	4.95	3.55	2.60	2.28	2.28
16	3.66	4.01	18.98	7.49	15.92	5.44	17.92	10.84	3.50	2.60	2.24	2.24
17	3.62	3.84	18.08	6.94	14.86	8.26	18.21	16.37	3.44	2.57	2.19	2.19
18	3.57	3.72	16.97	6.93	13.82	9.94	17.74	17.71	3.39	---	2.14	2.14
19	3.52	3.61	15.77	6.74	12.70	9.99	16.52	17.10	3.35	---	2.14	2.14
20	3.49	3.51	14.31	6.22	11.53	10.04	15.21	16.48	4.25	---	2.10	2.10
21	3.46	3.43	13.34	6.08	10.26	11.26	14.08	15.75	9.05	---	2.10	2.10
22	3.54	4.68	12.53	7.15	8.95	12.15	12.99	15.67	7.48	---	2.08	2.08
23	3.88	9.95	11.63	12.68	7.95	12.37	11.82	16.00	4.87	---	2.08	2.08
24	5.16	13.17	10.94	15.46	7.28	12.37	10.68	15.99	4.06	---	2.07	2.07
25	5.18	14.61	10.86	16.07	6.77	12.14	9.54	15.20	3.77	2.54	2.06	2.06
26	4.74	14.97	10.82	16.40	6.34	12.02	8.79	14.01	3.64	2.59	2.04	2.04
27	4.28	15.04	10.48	16.35	5.92	13.59	9.29	12.69	3.51	2.72	2.14	2.14
28	4.05	14.86	9.63	15.73	5.61	15.85	10.16	11.67	3.40	3.25	2.45	2.45
29	3.97	13.81	8.57	14.54	5.51	17.57	10.80	11.20	3.36	3.32	2.88	2.68
30	3.87	12.18	8.15	13.52	---	20.11	11.66	10.14	3.28	3.22	2.86	2.47
31	3.92	---	8.05	12.97	---	20.68	---	9.07	---	3.12	2.75	---
MEAN	4.39	6.82	10.65	9.83	10.83	11.01	13.47	11.22	4.45	---	2.41	2.38
MAX	9.03	15.04	19.10	16.40	16.46	20.68	19.07	17.71	9.05	3.32	3.02	3.02
MIN	3.46	3.43	4.45	6.05	5.51	5.44	8.45	4.95	3.28	---	2.04	2.04

08015500 CALCASIEU RIVER NEAR KINDER, LA--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1979 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: June 1979 to current year.
WATER TEMPERATURES: June 1979 to current year.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum daily, 139 micromhos June 24, 1979; minimum daily, 13 micromhos Sep. 21, 1979.
WATER TEMPERATURES: Maximum daily, 30.0°C June 24, 29, 30, 1979; minimum daily, 12.0°C Jan. 9, 1980.

EXTREMES FOR CURRENT YEAR.--
SPECIFIC CONDUCTANCE: Maximum daily, 112 micromhos Sep. 25; minimum daily, 22 micromhos Dec. 16.
WATER TEMPERATURES: Maximum daily, 28.0°C Sep. 16; minimum daily, 12.0°C Jan. 9.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	TEMPER-ATURE, WATER (DEG C)	COLOR (PLAT-INUM COBALT UNITS)	TUR-BID-ITY (NTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./100 ML)	STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)
OCT 12...	1045	655	70	6.1	20.5	10	7.4	--	--	K45	900
NOV 05...	1230	1000	46	5.7	16.5	60	13	9.0	1.8	K40	200
DEC 03...	1400	3710	39	6.0	9.5	100	19	10.4	3.3	200	140
JAN 07...	1145	1660	52	6.2	11.5	60	--	9.8	1.8	130	K20
FEB 14...	1045	11900	27	5.2	9.0	60	29	12.2	5.1	K610	1300
MAR 13...	0930	1650	59	5.9	19.0	40	20	8.4	2.0	K110	--
APR 21...	1400	6870	30	5.4	19.0	50	27	7.6	2.2	K40	200
MAY 05...	1745	3760	33	5.8	22.5	60	21	6.9	.4	K85	200
JUN 02...	1800	1420	44	6.2	26.0	50	18	6.9	.7	940	K30
JUL 07...	1230	346	69	5.3	29.0	20	10	7.0	--	K75	100
AUG 04...	1600	--	73	6.7	30.0	40	9.5	7.5	--	K15	K40
SEP 02...	1700	378	106	6.4	30.0	30	1.5	8.4	2.6	--	1800

DATE	HARD-NESS (MG/L AS CACO3)	HARD-NESS, NONCAR-BONATE (MG/L CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM AD-SORP-TION RATIO	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	BICAR-BONATE (MG/L AS HCO3)	CAR-BONATE (MG/L AS CO3)	ALKA-LINITY (MG/L AS CACO3)
OCT 12...	11	0	3.1	.9	8.9	59	1.1	1.4	21	0	17
NOV 05...	10	0	2.4	.9	4.4	44	.6	1.9	14	0	11
DEC 03...	10	0	2.5	1.0	4.3	48	.6	3.0	13	0	11
JAN 07...	9	0	2.6	.5	6.5	63	1.0	1.3	12	0	10
FEB 14...	6	5	1.7	.5	1.7	33	.3	1.0	2	0	2
MAR 13...	11	3	2.7	1.0	5.9	51	.8	1.2	10	0	8
APR 21...	6	2	1.5	.5	2.7	45	.5	1.0	5	0	4
MAY 05...	8	2	1.9	.7	3.3	45	.5	1.0	7	0	6
JUN 02...	10	0	2.5	.8	5.3	50	.7	1.7	12	0	10
JUL 07...	12	0	3.1	1.1	8.5	56	1.1	1.7	27	0	22
AUG 04...	12	0	2.9	1.1	8.6	58	1.1	1.4	24	0	0
SEP 02...	14	0	3.1	1.6	14	64	1.6	2.0	28	0	23

K Results based on colony count outside the acceptable range (non-ideal count).

08015500 CALCASIEU RIVER NEAR KINDER, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	CARBON DIOXIDE DIS-SOLVED (MG/L AS CO2)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L)	SOLIDS, DIS-SOLVED (TONS PER AC-FT)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)
OCT											
12...	27	8.4	4.2	.0	24	70	61	.10	.10	--	.04
NOV											
05...	45	2.4	5.0	.0	15	50	39	.07	--	.15	.04
DEC											
03...	21	5.4	5.6	.0	11	54	39	.07	.07	--	.03
JAN											
07...	12	8.6	2.8	.1	16	53	44	.07	.07	--	.06
FEB											
14...	20	5.4	3.5	.0	4.6	23	20	.03	.11	.11	.07
MAR											
13...	20	3.6	5.7	.0	16	57	42	.08	--	.16	.28
APR											
21...	32	2.9	3.1	.1	6.6	33	22	.04	--	.13	--
MAY											
05...	12	2.6	3.8	.1	8.9	32	25	.04	--	.15	--
JUN											
02...	12	3.2	6.2	.0	15	45	41	.06	.16	.15	.10
JUL											
07...	7.8	2.4	6.6	.2	26	77	61	.10	--	.27	.05
AUG											
04...	7.8	4.0	6.4	.1	24	70	61	.10	.07	.11	--
SEP											
02...	18	7.7	8.9	.1	23	79	74	.11	.01	.05	.13

DATE	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS NH4)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS NH4)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, ORGANIC DIS-SOLVED (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, NH4 + ORG. SUSP. TOTAL (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC DIS. (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS N)	NITRO-GEN, DIS-SOLVED (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS NO3)
OCT											
12...	.04	.05	.05	.55	.51	.59	.04	.55	.69	--	3.1
NOV											
05...	.05	.05	.06	.61	.62	.65	--	.67	--	.82	--
DEC											
03...	--	.04	--	.88	--	.91	.23	.68	.94	--	4.3
JAN											
07...	.09	.07	.12	1.0	1.0	1.1	.00	1.1	1.2	--	5.2
FEB											
14...	.03	.08	.04	.83	.45	.90	.42	.48	1.0	.59	4.5
MAR											
13...	.20	.34	.26	.92	.78	1.2	.22	.98	--	1.1	--
APR											
21...	.12	--	.15	--	.74	2.1	1.2	.86	--	.99	--
MAY											
05...	.06	--	.08	--	.87	.93	.00	.93	--	1.1	--
JUN											
02...	.13	.12	.17	.82	.81	.92	--	.94	1.1	1.1	4.8
JUL											
07...	.03	.06	.04	.87	.86	.92	.03	.89	--	1.2	--
AUG											
04...	.09	--	.12	--	.60	--	--	.69	--	.80	--
SEP											
02...	.11	.16	.14	1.3	1.1	1.4	.20	1.2	1.4	1.3	6.2

08015500 CALCASIEU RIVER NEAR KINDER, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, TOTAL (MG/L AS PO4)	PHOSPHORUS, DISSOLVED (MG/L AS P)	SILVER, TOTAL RECOVERABLE (UG/L AS AG)	SILVER, SUSPENDED RECOVERABLE (UG/L AS AG)	SILVER, DISSOLVED (UG/L AS AG)	CARBON, ORGANIC TOTAL (MG/L AS C)	CARBON, ORGANIC DISSOLVED (MG/L AS C)	CARBON, ORGANIC SUSPENDED (MG/L AS C)
OCT 12...	.040	.12	.020	0	0	0	--	--	--
NOV 05...	.050	.15	.030	--	--	--	9.2	--	--
DEC 03...	.040	.12	.030	0	--	--	10	--	--
JAN 07...	--	.03	.030	0	0	0	--	8.9	1.9
FEB 14...	.030	.09	.010	--	--	--	8.4	--	--
MAR 13...	.060	.18	.020	0	--	--	9.3	--	--
APR 21...	.020	.06	.020	0	0	0	--	9.5	2.8
MAY 05...	.050	.15	.030	0	--	--	8.5	--	--
JUN 02...	.080	.25	.050	--	--	--	13	--	--
JUL 07...	.450	1.4	.050	0	0	0	--	5.9	.5
AUG 04...	.070	.21	.040	0	--	--	4.6	--	--
SEP 02...	.080	.25	.040	--	--	--	11	--	--

DATE	ARSENIC TOTAL (UG/L AS AS)	ARSENIC SUSPENDED TOTAL (UG/L AS AS)	ARSENIC DISSOLVED (UG/L AS AS)	BARIUM, TOTAL RECOVERABLE (UG/L AS BA)	BARIUM, SUSPENDED RECOVERABLE (UG/L AS BA)	BARIUM, DISSOLVED (UG/L AS BA)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CADMIUM SUSPENDED RECOVERABLE (UG/L AS CD)	CADMIUM DISSOLVED (UG/L AS CD)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)
OCT 12...	1	1	0	200	170	30	0	--	<1	0
JAN 07...	0	0	0	100	70	30	1	0	1	0
APR 21...	0	0	0	100	80	20	1	--	2	0
JUL 07...	1	0	1	100	60	40	2	--	3	10

DATE	CHROMIUM, SUSPENDED RECOV. (UG/L AS CR)	CHROMIUM, DISSOLVED (UG/L AS CR)	COBALT, TOTAL RECOVERABLE (UG/L AS CO)	COBALT, DISSOLVED (UG/L AS CO)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	COPPER, SUSPENDED RECOVERABLE (UG/L AS CU)	COPPER, DISSOLVED (UG/L AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	IRON, SUSPENDED RECOVERABLE (UG/L AS FE)	IRON, DISSOLVED (UG/L AS FE)
OCT 12...	0	0	0	<3	0	--	2	690	490	200
JAN 07...	0	0	1	<3	16	15	1	710	520	190
APR 21...	0	0	0	<1	6	1	5	750	670	80
JUL 07...	10	0	0	<3	9	2	7	600	410	190

DATE	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	LEAD, SUSPENDED RECOVERABLE (UG/L AS PB)	LEAD, DISSOLVED (UG/L AS PB)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	MANGANESE, SUSPENDED RECOV. (UG/L AS MN)	MANGANESE, DISSOLVED (UG/L AS MN)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	MERCURY SUSPENDED RECOVERABLE (UG/L AS HG)	MERCURY DISSOLVED (UG/L AS HG)
OCT 12...	4	4	0	80	20	60	.0	.0	.0
JAN 07...	6	5	1	70	10	60	.3	.1	.2
APR 21...	5	2	3	60	20	40	.2	.1	.1
JUL 07...	9	6	3	80	10	70	.2	.2	.0

< Actual value is known to be less than the value shown.

08015500 CALCASIEU RIVER NEAR KINDER, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI)	NICKEL, SUS-PENDED RECOV-ERABLE (UG/L AS NI)	NICKEL, DIS-SOLVED (UG/L AS NI)	SELE-NIUM, TOTAL (UG/L AS SE)	SELE-NIUM, SUS-PENDED TOTAL (UG/L AS SE)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)	ZINC, SUS-PENDED RECOV-ERABLE (UG/L AS ZN)	ZINC, DIS-SOLVED (UG/L AS ZN)
OCT 12...	2	2	0	0	0	0	0	--	7
JAN 07...	3	0	3	0	0	0	20	10	10
APR 21...	1	1	0	0	0	0	20	10	9
JUL 07...	3	--	4	0	0	0	20	0	20

DATE	PCB, TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	CHLOR-DANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)	DDE, TOTAL (UG/L)	DDT, TOTAL (UG/L)	DI-AZINON, TOTAL (UG/L)	DI-ELDRIN TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ETHION, TOTAL (UG/L)	HEPTA-CHLOR, TOTAL (UG/L)	HEPTA-CHLOR EPOXIDE TOTAL (UG/L)
NOV 05...	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

DATE	LINDANE TOTAL (UG/L)	MALA-THION, TOTAL (UG/L)	METH-OXY-CHLOR, TOTAL (UG/L)	METHYL PARA-THION, TOTAL (UG/L)	METHYL TRI-THION, TOTAL (UG/L)	PARA-THION, TOTAL (UG/L)	TOX-APHENE, TOTAL (UG/L)	TOTAL TRI-THION (UG/L)	2,4-D, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
NOV 05...	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

DATE	PHYTO-PLANK-TON, TOTAL (CELLS PER ML)	SEDI-MENT, SUS-PENDED (MG/L)	SEDI-MENT DIS-CHARGE, SUS-PENDED (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT 12...	--	37	65	86
NOV 05...	830	36	97	91
DEC 03...	--	62	621	59
JAN 07...	--	31	139	90
FEB 14...	--	41	1320	80
MAR 13...	90	47	209	80
APR 21...	--	138	2560	98
MAY 05...	--	65	660	77
JUN 02...	150	54	207	88
JUL 07...	130	27	25	99
AUG 04...	--	34	--	94
SEP 02...	--	53	54	70

ND Material specifically analyzed for but not detected.

08015500 CALCASIEU RIVER NEAR KINDER, LA--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	35	62	33	43								---
2	40	---	34	43								---
3	44	61	37	44								---
4	49	45	38	45								---
5	53	44	42	63								80
6	55	48	45	54								76
7	57	51	48	50								76
8	59	53	53	49								75
9	61	58	55	50								72
10	62	60	56	---								74
11	64	61	58	47								71
12	63	---	59	42								69
13	69	54	30	43								65
14	71	53	37	49								66
15	72	55	28	43								69
16	72	56	22	45								59
17	74	57	23	47								59
18	72	58	24	49								76
19	73	59	26	50								83
20	72	62	26	52								77
21	74	65	27	54								76
22	76	62	30	53								82
23	75	82	32	32								86
24	66	35	37	---								99
25	56	33	42	---								112
26	69	32	45	---								98
27	62	32	41	---								75
28	64	32	38	---								81
29	68	33	41	---								91
30	68	33	41	---								108
31	63	---	42	---								---

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	25.0	19.0	15.0	14.0								---
2	24.0	---	15.0	14.0								---
3	25.0	18.0	16.0	15.0								---
4	24.0	18.0	17.0	14.0								---
5	24.0	16.0	17.0	15.0								26.0
6	23.0	17.0	17.0	15.0								27.0
7	24.0	16.0	20.0	15.0								25.5
8	24.0	16.0	17.0	13.0								27.0
9	24.0	16.0	17.0	12.0								26.0
10	19.0	17.0	18.0	---								26.0
11	18.0	15.0	20.0	14.0								26.0
12	23.0	---	22.0	13.0								27.0
13	23.0	14.0	20.0	14.0								25.0
14	22.0	14.0	20.0	14.0								27.0
15	23.0	14.0	20.0	14.0								26.0
16	23.0	15.0	18.0	14.0								28.0
17	24.0	15.0	13.0	14.0								27.0
18	24.0	16.0	14.0	14.0								25.0
19	23.0	17.0	13.0	14.0								25.0
20	22.0	17.0	15.0	14.0								27.0
21	24.0	21.0	18.0	14.0								27.0
22	23.0	21.0	18.0	13.0								27.0
23	23.0	17.0	18.0	13.0								26.0
24	23.0	15.0	18.0	---								26.0
25	22.0	17.0	17.0	---								25.0
26	22.0	17.0	16.0	---								25.0
27	22.0	18.0	16.0	---								24.0
28	22.0	17.0	16.0	---								24.0
29	21.0	15.0	15.0	---								24.0
30	20.0	17.0	15.0	---								25.0
31	20.0	---	15.0	---								---

PHYTOPLANKTON ANALYSES, OCTOBER 1979 TO JULY 1980

DATE	NOV 5,79		MAR 13,80		JUN 2,80		JUL 7,80	
TIME	1230		0930		1800		1230	
TOTAL CELLS/ML	830		90		150		130	
DIVERSITY: DIVISION	0.5		0.0		0.0		0.5	
.CLASS	0.5		0.0		0.0		0.5	
..ORDER	0.7		0.9		0.7		1.4	
...FAMILY	0.7		1.4		1.3		1.4	
....GENUS	0.7		1.4		1.3		1.7	
ORGANISM	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT
CHLOROPHYTA (GREEN ALGAE)								
.CHLOROPHYCEAE								
..CHLOROCOCCALES								
...OOCYSTACEAE								
....ANKISTRODESMUS	13	2	13	14	26#	17	13	10
....KIRCHNERIELLA	--	-	--	-	--	-	52#	40
...SCENEDESMACEAE								
....SCENEDESMUS	--	-	--	-	100#	67	--	-
....TETRASTRUM	--	-	52#	57	--	-	--	-
..VOLVOCALES								
...CHLAMYDOMONADACEAE								
....CHLAMYDOMONAS	13	2	26#	29	26#	17	52#	40
CHRYSOPHYTA								
.BACILLARIOPHYCEAE								
..CENTRALES								
...COSCINODISCACEAE								
....CYCLOTELLA	13	2	--	-	--	-	--	-
..PENNALES								
...NAVICULACEAE								
....NAVICULA	13	2	--	-	--	-	--	-
...NITZSCHIACEAE								
....NITZSCHIA	13	2	--	-	--	-	13	10
CYANOPHYTA (BLUE-GREEN ALGAE)								
.CYANOPHYCEAE								
..CHROOCOCCALES								
...CHROOCOCCACEAE								
....ANACYSTIS	13	2	--	-	--	-	--	-
..HORMOGONALES								
...OSCILLATORIACEAE								
....OSCILLATORIA	750#	91	--	-	--	-	--	-

NOTE: # - DOMINANT ORGANISM: EQUAL TO OR GREATER THAN 15%
* - OBSERVED ORGANISM, MAY NOT HAVE BEEN COUNTED: LESS THAN 1/2%

08016400 BECKWITH CREEK NEAR DE QUINCY, LA

LOCATION.--Lat 30°28'15", long 93°21'35", in SE¼NW¼ sec.11, T.7 S., R.10 W., Beauregard Parish, Hydrologic Unit 08080205, near right bank on downstream side of bridge on State Highway 12, 300 ft (91 m) upstream from New Orleans, Texas and Mexico Railway bridge, 2.3 mi (3.7 km) downstream from Hams Creek, and 4.4 mi (7.1 km) northeast of De Quincy.

DRAINAGE AREA.--148 mi^2 (383 km^2).

PERIOD OF RECORD.--August 1945 to current year.

REVISED RECORDS.--WSP 1118: 1946, 1947(M). WSP 1512: 1945.

GAGE.--Water-stage recorder. Datum of gage is 25.29 ft (7.708 m) National Geodetic Vertical Datum of 1929. Prior to Oct. 28, 1950, nonrecording gage and Oct. 29, 1950, to Jan. 3, 1961, water-stage recorder 1,000 ft (305 m) upstream at same datum.

REMARKS.--Records good. Records of water temperatures for water year 1980 are published under miscellaneous water-quality sites in this report.

AVERAGE DISCHARGE.--35 years, 199 ft^3/s (5.636 m^3/s), 18.26 in/yr (464 mm/yr), 144,200 acre-ft/yr (178 hm^3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 13,800 ft^3/s (391 m^3/s) May 21, 1955, gage height, 24.45 ft (7.452 m); minimum, 0.08 ft^3/s (0.002 m^3/s) Nov. 1, 1978; minimum gage height, 0.87 ft (0.265 m) Sept. 26, 1954.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 1,600 ft^3/s (45 m^3/s) and maximum (*):

Date	Time	Discharge (ft^3/s)	Discharge (m^3/s)	Gage height (ft)	Gage height (m)
Dec. 14	00300	1700	48.1	15.76	4.804
Jan. 23	0845	2300	65.1	17.92	5.462
Feb. 10	0015	1920	54.4	16.84	5.133
Mar. 30	0915	3700	105	19.63	5.983
Apr. 15	1815	1800	51.0	16.29	4.965
May 17	0430	*10000	283	*22.51	6.861

Minimum discharge, 0.61 cfs (0.017 m^3/s) Sept. 24, 25; minimum gage height, 1.15 ft (0.351 m) Aug. 26, 27.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	20	17	38	57	72	106	2090	47	38	5.2	8.9	4.8
2	18	30	32	50	71	404	1580	35	27	4.5	5.6	3.0
3	16	42	27	56	64	410	1070	68	22	3.8	4.1	2.6
4	14	32	24	120	56	415	516	56	18	3.5	3.2	2.3
5	12	19	22	88	48	360	306	31	16	3.2	2.8	2.1
6	11	14	21	63	44	180	282	24	15	2.9	2.5	1.9
7	10	11	19	54	40	125	155	21	14	2.7	2.4	1.9
8	9.3	9.3	18	71	64	106	91	22	13	2.5	2.3	1.9
9	8.7	14	17	274	1500	93	69	31	12	2.3	2.5	1.8
10	8.1	62	16	184	1760	84	57	22	11	2.3	2.8	1.7
11	7.6	38	16	158	1480	73	46	18	9.9	2.2	2.3	1.5
12	7.2	24	282	144	1560	66	162	16	9.2	2.2	1.9	1.5
13	6.8	26	1430	143	1380	61	760	14	8.6	2.2	1.7	1.9
14	6.4	24	1600	162	944	52	1030	111	8.3	2.1	1.6	4.6
15	6.1	17	1250	107	347	46	1670	315	7.8	2.0	2.6	2.3
16	5.9	13	991	63	159	42	1620	3840	7.5	1.9	2.7	1.5
17	5.7	11	876	54	190	112	1200	8550	7.2	1.8	1.9	1.1
18	5.6	9.7	614	62	160	130	803	4350	6.7	1.8	1.6	.96
19	5.4	8.7	181	54	116	215	294	2540	6.8	36	1.4	.88
20	5.1	8.1	91	45	88	277	149	1910	6.6	12	1.2	.75
21	4.9	7.4	67	60	73	441	82	1430	6.7	13	1.1	.75
22	71	164	56	919	64	287	56	1320	7.9	14	1.0	.75
23	295	1010	59	2130	57	269	44	762	12	8.5	.95	.69
24	121	851	370	1640	50	331	36	545	13	34	.88	.68
25	30	514	323	1730	43	250	34	411	40	15	.82	18
26	25	445	226	1670	38	318	88	241	31	8.2	.80	208
27	21	443	212	1200	34	1240	160	92	15	11	.84	15
28	14	219	135	606	31	2180	256	58	10	76	1.5	5.2
29	11	79	78	175	30	2130	238	44	8.0	107	107	3.0
30	9.3	50	67	109	---	3380	97	62	6.4	66	252	32
31	14	---	63	85	---	2630	---	68	---	19	12	---
TOTAL	805.1	4212.2	9221	12333	10563	16813	15041	27054	414.6	468.8	434.89	325.06
MEAN	26.0	140	297	398	364	542	501	873	13.8	15.1	14.0	10.8
MAX	295	1010	1600	2130	1760	3380	2090	8550	40	107	252	208
MIN	4.9	7.4	16	45	30	42	34	14	6.4	1.8	.80	.68
CFSM	.18	.95	2.01	2.69	2.46	3.66	3.39	5.90	.09	.10	.10	.07
IN.	.20	1.06	2.32	3.10	2.66	4.23	3.78	6.80	.10	.12	.11	.08
AC-FT	1600	8350	18290	24460	20950	33350	29830	53660	822	930	863	645

CAL YR 1979 TOTAL 104174.30 MEAN 285 MAX 2560 MIN 3.2 CFSM 1.93 IN 26.18 AC-FT 206600

WTR YR 1980 TOTAL 97685.65 MEAN 267 MAX 8550 MIN .68 CFSM 1.80 IN 24.55 AC-FT 193800

08016400 BECKWITH CREEK NEAR DE QUINCY, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.12	2.03	2.69	3.07	3.33	3.66	17.36	2.80	2.66	1.63	1.80	1.57
2	2.05	2.39	2.53	2.94	3.30	7.03	15.10	2.54	2.41	1.57	1.62	1.43
3	1.98	2.70	2.41	3.03	3.20	7.09	12.06	3.13	2.26	1.52	1.50	1.38
4	1.93	2.44	2.32	4.03	3.05	7.13	7.96	2.97	2.17	1.49	1.43	1.35
5	1.87	2.11	2.26	3.58	2.89	6.58	6.12	2.41	2.09	1.46	1.39	1.33
6	1.82	1.93	2.23	3.17	2.81	4.48	5.88	2.24	2.04	1.44	1.36	1.32
7	1.78	1.81	2.18	3.02	2.74	3.81	4.44	2.15	2.01	1.42	1.35	1.32
8	1.74	1.74	2.15	3.27	3.05	3.53	3.57	2.19	1.97	1.40	1.34	1.32
9	1.71	1.90	2.13	5.80	14.51	3.35	3.22	2.43	1.94	1.39	1.34	1.31
10	1.68	3.04	2.09	4.81	16.05	3.19	3.01	2.19	1.91	1.37	1.38	1.29
11	1.65	2.59	2.08	4.50	14.51	3.01	2.78	2.07	1.87	1.38	1.32	1.27
12	1.63	2.25	5.25	4.33	14.98	2.89	4.39	1.99	1.83	1.37	1.28	1.27
13	1.61	2.29	14.18	4.31	13.91	2.79	9.85	1.95	1.81	1.36	1.26	1.33
14	1.58	2.24	15.20	4.55	11.20	2.64	11.78	3.77	1.79	1.35	1.24	1.57
15	1.56	2.04	13.15	3.84	6.42	2.51	15.57	6.20	1.76	1.34	1.35	1.38
16	1.55	1.91	11.54	3.17	4.50	2.43	15.32	17.62	1.75	1.33	1.38	1.27
17	1.54	1.83	10.75	3.03	4.89	3.54	12.85	21.85	1.74	1.32	1.29	1.23
18	1.53	1.76	8.78	3.17	4.51	3.87	10.19	19.76	1.71	1.31	1.26	1.21
19	1.51	1.71	4.74	3.01	3.95	4.95	5.99	18.21	1.71	2.51	1.23	1.20
20	1.49	1.68	3.62	2.84	3.53	5.68	4.37	16.70	1.70	1.96	1.21	1.19
21	1.48	1.64	3.24	3.12	3.29	7.38	3.43	14.21	1.71	1.98	1.19	1.19
22	2.89	4.33	3.05	10.23	3.13	5.93	2.98	13.56	1.78	2.01	1.19	1.19
23	6.01	11.60	3.08	17.50	3.00	5.75	2.73	9.93	1.98	1.79	1.18	1.18
24	3.92	10.56	6.67	15.41	2.86	6.37	2.56	8.28	2.02	2.54	1.17	1.18
25	2.40	8.02	6.27	15.92	2.73	5.54	2.50	7.10	2.71	2.04	1.16	1.55
26	2.29	7.41	5.30	15.59	2.60	6.14	3.51	5.41	2.51	1.78	1.16	4.81
27	2.15	7.39	5.14	12.83	2.50	12.90	4.50	3.60	2.09	1.89	1.16	2.04
28	1.94	5.16	4.21	8.66	2.42	17.61	5.62	3.06	1.90	3.17	1.24	1.62
29	1.82	3.44	3.43	4.69	2.41	17.48	5.41	2.80	1.79	3.82	2.94	1.45
30	1.74	2.94	3.25	3.88	---	19.35	3.64	3.10	1.71	3.17	5.19	2.41
31	1.93	---	3.19	3.53	---	18.49	---	3.23	---	2.17	1.92	---
MEAN	2.03	3.50	5.13	5.96	5.60	6.68	6.96	6.76	1.98	1.82	1.51	1.51
MAX	6.01	11.60	15.20	17.50	16.05	19.35	17.36	21.85	2.71	3.82	5.19	4.81
MIN	1.48	1.64	2.08	2.84	2.41	2.43	2.50	1.95	1.70	1.31	1.16	1.18

08022040 SABINE RIVER NEAR BECKVILLE, TX

LOCATION.--Lat 32°19'38", long 94°21'12", Panola County, Hydrologic Unit 12010002, on downstream side of highway embankment near right end of downstream bridge on U.S. Highway 59, 0.9 mi (1.4 km) upstream from Eightmile Creek, 6.0 mi (9.7 km) upstream from Farm Road 1794, 8.4 mi (13.5 km) northeast of Beckville, 12.4 mi (20.0 km) downstream from State Highway 43, and at mile 327.0 (526.3 km).

DRAINAGE AREA.--3,589 mi^2 (9,296 km^2).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1938 to current year. Prior to October 1978, published as "near Tatum".

GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 190.00 ft (57.912 m) National Geodetic Vertical Datum of 1929. Prior to Oct. 1, 1978, at site 12.4 mi (20.0 km) upstream at datum 14.18 ft (4.322 m) higher. Prior to Sept. 21, 1945, nonrecording gage.

REMARKS.--Water-discharge records fair except those for period July 15 to Sept. 30, which are good. Flow is partly regulated by Lake Tawakoni (station 08017400) located 187 mi (301 km) upstream and by six reservoirs on tributary streams, combined capacity, 1,022,000 acre-ft (1.26 km^3). Several diversions above station and below Lake Tawakoni for oilfield operation, municipal, and industrial uses. Low flows are sustained by sewage effluents returned to the river above the station. During the current year, the city of Longview reported that 8,530 acre-ft (10.5 hm^3) of sewage effluent was returned to the river above this station. For statement regarding regulation by Soil Conservation Service floodwater-retarding structures, see station 08020000.

AVERAGE DISCHARGE.--22 years (water years 1939-60) prior to regulation by Lake Tawakoni, 2,663 ft^3/s (75.42 m^3/s), 1,929,000 acre-ft/yr (2.38 km^3/yr); 20 years (water years 1961-80) regulated, 2,328 ft^3/s (65.93 m^3/s), 1,687,000 acre-ft/yr (2.08 km^3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 123,000 ft^3/s (3,480 m^3/s) Apr. 4, 1945, gage height, 33.80 ft (10.302 m), site and datum then in use, from graph based on gage readings, from rating curve extended above 66,000 ft^3/s (1,870 m^3/s) on basis of partly estimated measurement of 88,900 ft^3/s (2,520 m^3/s); minimum observed, 2.4 ft^3/s (0.068 m^3/s) Aug. 11, 12, 1964.
Maximum stage since at least 1884, that of Apr. 4, 1945.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in May 1884 reached a stage of about 2 ft (0.61 m) lower than flood of Apr. 4, 1945. These dates and gage heights are based on information for stations near Tatum (08022000) and at Logansport, La. (08022500).

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 9,760 ft^3/s (276 m^3/s) Feb. 11, gage height, 24.51 ft (7.471 m); minimum, 38 ft^3/s (1.08 m^3/s) Aug. 26.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1700	1420	792	3710	6790	2020	4100	3640	3380	361	61	47
2	1150	1340	739	3560	6840	2520	3750	4430	2400	275	60	54
3	935	1190	703	3240	6900	2540	3580	6190	2100	214	64	53
4	810	1080	676	3130	6970	2000	3480	6440	1940	170	56	52
5	641	931	689	2820	6990	1730	3300	6120	1730	141	57	48
6	563	810	674	2350	6960	1610	2740	5470	1590	112	61	51
7	508	723	673	2080	6850	1730	2100	4850	1470	95	55	50
8	458	660	659	1910	6800	1750	1650	4340	1310	86	53	52
9	432	627	626	1770	7990	1590	1470	3920	1130	81	55	51
10	409	838	599	1680	9340	1410	1260	3610	956	77	59	52
11	390	929	581	1610	9510	1260	1140	3350	791	76	57	79
12	368	735	607	1560	8730	1260	2960	3040	634	74	54	76
13	350	651	1080	1480	8040	1670	6000	4090	518	70	47	55
14	308	669	1760	1420	7260	1510	8440	5210	455	66	42	53
15	305	741	1760	1410	6600	1310	8930	5110	417	64	45	56
16	295	781	1690	1390	6100	1240	7910	6000	372	57	50	53
17	305	787	1600	1480	5780	1360	6700	8090	325	48	52	52
18	308	773	1430	1550	5670	1780	5840	8140	288	46	53	50
19	325	731	1290	1500	5760	2160	5170	7140	256	49	52	48
20	318	671	1240	1590	5800	2490	4740	5950	240	48	52	79
21	322	716	1170	2520	5860	2750	4650	5110	405	47	51	110
22	386	2150	1260	4690	5800	3120	4930	4670	783	44	51	82
23	563	3190	2480	8190	5680	3480	5010	4770	802	48	49	65
24	495	2710	5060	9050	5480	3780	4620	4610	834	52	50	52
25	440	1970	6460	8660	5130	3590	4850	4520	745	52	46	52
26	383	1520	6100	8160	4470	2780	5340	4570	696	51	39	52
27	312	1310	5330	7560	3440	1970	5290	4650	641	50	42	51
28	318	1130	4510	7090	2700	1960	4500	4670	587	53	43	50
29	372	983	3960	6790	1980	2690	3940	4660	522	76	45	49
30	386	868	3780	6720	---	3660	3620	4520	444	82	48	52
31	802	---	3770	6740	---	4180	---	4160	---	74	50	---
TOTAL	15657	33634	63748	117410	182220	68900	132010	156040	28761	2839	1599	1726
MEAN	505	1121	2056	3787	6283	2223	4400	5034	959	91.6	51.6	57.5
MAX	1700	3190	6460	9050	9510	4180	8930	8140	3380	361	64	110
MIN	295	627	581	1390	1980	1240	1140	3040	240	44	39	47
AC-FT	31060	66710	126400	232900	361400	136700	261800	309500	57050	5630	3170	3420

CAL YR 1979 TOTAL 1432477 MEAN 3925 MAX 13100 MIN 92 AC-FT 2841000
WTR YR 1980 TOTAL 804544 MEAN 2198 MAX 9510 MIN 39 AC-FT 1596000

08022040 SABINE RIVER NEAR BECKVILLE, TX--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1952 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: February 1952 to current year.
WATER TEMPERATURES: February 1952 to current year.

REMARKS.--Data furnished by Texas District. Daily values for the 1980 water year are available from the Texas Report.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	TEMPER-ATURE, WATER (DEG C)	COLOR (PLAT-INUM COBALT UNITS)	TUR-BID-ITY (NTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	HARD-NESS (MG/L AS CACO3)
OCT 01...	2200	1480	234	--	30.0	--	--	--	--	--	42
NOV 14...	1210	674	585	6.9	10.5	15	6.0	10.3	90	1.6	64
JAN 08...	1430	1890	310	6.6	8.0	50	18	10.8	91	1.6	51
FEB 12...	1115	8770	177	--	6.0	--	--	--	--	--	40
APR 02...	1240	3780	281	6.9	16.0	55	34	9.8	99	1.7	51
MAY 14...	1420	5330	210	6.8	22.0	80	74	5.4	61	3.8	42
JUL 31...	1150	78	860	8.0	31.0	30	10	8.4	112	3.5	160
SEP 11...	1025	79	1270	7.6	28.0	60	14	5.9	75	5.8	120

DATE	HARD-NESS, NONCAR-BONATE (MG/L CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM AD-SORP-TION RATIO	SODIUM+ POTAS-SIUM DIS-SOLVED (MG/L AS NA)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	BICAR-BONATE (MG/L AS HCO3)	CAR-BONATE (MG/L AS CO3)
OCT 01...	23	12	2.9	26	62	1.7	30	3.9	23	0
NOV 14...	40	17	5.3	88	80	4.8	93	5.2	30	0
JAN 08...	33	13	4.5	34	66	2.1	38	4.2	22	0
FEB 12...	25	11	3.0	17	46	1.2	--	2.9	18	0
APR 02...	33	13	4.6	32	56	1.9	--	2.8	22	0
MAY 14...	21	11	3.6	23	52	1.5	--	3.7	26	0
JUL 31...	95	53	7.2	93	55	3.2	--	5.4	82	0
SEP 11...	44	33	9.9	200	77	7.8	--	8.0	96	0

08022040 SABINE RIVER NEAR BECKVILLE, TX-Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	ALKA-LINITY (MG/L AS CACO3)	CARBON DIOXIDE DIS-SOLVED (MG/L AS CO2)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SIO2)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)	SOLIDS, NON-VOLA-TILE, SUS-PENDED (MG/L)	SOLIDS, VOLA-TILE, SUS-PENDED (MG/L)
OCT 01...	19	--	27	42	.1	14	139	--	--	--
NOV 14...	25	6.0	28	140	.1	16	314	4	4	0
JAN 08...	18	8.8	31	58	.1	15	171	53	20	33
FEB 12...	15	--	22	31	.1	10	106	--	--	--
APR 02...	18	4.4	31	48	.1	13	156	67	56	11
MAY 14...	21	6.6	23	35	.1	8.8	121	78	78	0
JUL 31...	67	1.3	80	160	.5	6.6	447	20	1	19
SEP 11...	79	3.9	100	280	.7	.8	681	30	26	4

DATE	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS NH4)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS NO3)	PHOS-PHORUS, TOTAL (MG/L AS P)	PHOS-PHORUS, TOTAL (MG/L AS PO4)	CARBON, ORGANIC TOTAL (MG/L AS C)
NOV 14...	.46	.02	.48	.05	.06	.83	.88	1.4	6.0	.190	.58	8.6
JAN 08...	.30	.01	.31	.18	.22	1.1	1.3	1.6	7.1	.110	.34	7.3
APR 02...	--	--	--	--	--	--	1.3	--	--	.120	.37	11
MAY 14...	.24	.02	.26	.17	.21	2.2	2.4	2.7	12	.270	.83	9.6
JUL 31...	.00	.00	.00	.06	.07	1.3	1.4	1.4	6.2	.080	.25	15
SEP 11...	.04	.01	.05	.00	.00	1.5	1.5	1.6	6.9	.100	.31	15

DATE	ARSENIC DIS-SOLVED (UG/L AS AS)	BARIUM, DIS-SOLVED (UG/L AS BA)	CADMIUM DIS-SOLVED (UG/L AS CD)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR)	COPPER, DIS-SOLVED (UG/L AS CU)	IRON, DIS-SOLVED (UG/L AS FE)	LEAD, DIS-SOLVED (UG/L AS PB)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	MERCURY DIS-SOLVED (UG/L AS HG)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)	SILVER, DIS-SOLVED (UG/L AS AG)	ZINC, DIS-SOLVED (UG/L AS ZN)
JAN 08...	0	80	<1	0	2	440	3	120	.1	0	0	9
APR 02...	1	80	2	0	0	420	0	70	.0	0	0	6
MAY 14...	1	60	<1	0	2	210	0	8	.0	0	0	8
JUL 31...	1	100	<1	0	0	30	2	680	.0	1	0	8
SEP 11...	1	100	3	0	4	10	1	700	.0	0	0	20

08022040 SABINE RIVER NEAR BECKVILLE, TX--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	PCB, TOTAL (UG/L)	PCB, TOTAL IN BOTTOM MATERIAL (UG/KG)	NAPHTHALENES, POLYCHLOR. TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	CHLORDANE, TOTAL (UG/L)	CHLORDANE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDE, TOTAL (UG/L)
APR 02...	.0	0	.00	.00	.0	.0	0	.00	.0	.00
JUL 31...	.0	2	.00	.00	.0	.0	0	.00	.0	.00

DATE	DDE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIAZINON, TOTAL (UG/L)	DIELDRIN TOTAL (UG/L)	DIELDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDOSULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ENDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ETHION, TOTAL (UG/L)
APR 02...	.0	.00	.0	.00	.00	.0	.00	.00	.0	.00
JUL 31...	.0	.00	.0	.01	.00	.0	.00	.00	.0	.00

DATE	HEPTACHLOR, TOTAL (UG/L)	HEPTACHLOR, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR EPOXIDE TOTAL (UG/L)	HEPTACHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOTTOM MATERIAL (UG/KG)	MALATHION, TOTAL (UG/L)	METHOXYCHLOR, TOTAL (UG/L)	METHOXYCHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARATHION, TOTAL (UG/L)
APR 02...	.00	.0	.00	.0	.00	.0	.00	.00	.0	.00
JUL 31...	.00	.0	.00	.0	.00	.0	.00	.00	.0	.00

DATE	METHYL TRITHION, TOTAL (UG/L)	MIREX, TOTAL (UG/L)	PARATHION, TOTAL (UG/L)	PERTHANE TOTAL (UG/L)	TOXAPHENE, TOTAL (UG/L)	TOXAPHENE, TOTAL IN BOTTOM MATERIAL (UG/KG)	TOTAL TRITHION (UG/L)	2,4-D, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
APR 02...	.00	.00	.00	.00	0	0	.00	.02	.00	.00
JUL 31...	.00	.00	.00	.00	0	0	.00	.00	.00	.00

08022500 SABINE RIVER AT LOGANSPORT, LA

LOCATION.--Lat 31°58'20", long 94°00'22", De Soto Parish, Louisiana-Shelby County, Texas State line at Logansport, Hydrologic Unit 12010004, just upstream from bridge on U.S. Highway 84, 3 mi (5 km) upstream from Bayou Castor, 111 mi (179 km) upstream from Toledo Bend Dam, and at mile 267.1 (429.8 km).

DRAINAGE AREA.--4,842 mi² (12,541 km²).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--Gage-height record March 1968 to current year. Discharge record July 1903 to February 1968.

REVISED RECORDS.--WSP 1312: 1903-6 (monthly and annual means). WSP 1732: 1929(M), 1933(M).

GAGE.--Water-stage recorder. Datum of gage is 147.72 ft (45.025 m) National Geodetic Vertical Datum of 1929. July 1, 1903, to Sept. 30, 1956, nonrecording gage. Oct. 1, 1956, to Jan. 16, 1964, water-stage recorder 4,600 ft (1,400 m) upstream. Jan. 16, 1964, to Dec. 10, 1968, water-stage recorder 4,700 ft (1,430 m) upstream. All gages to present datum except prior to Dec. 31, 1906, when datum was 2.00 ft (0.610 m) lower.

REMARKS.--Station discontinued as daily streamflow station Mar. 1, 1968, due to backwater from storage in Toledo Bend Reservoir (station 08025350). Eight major reservoirs, with a combined capacity of 1,068,000 acre-ft (1.32 km³), largely regulated the flow. For statement regarding regulation by Soil Conservation Service floodwater-retarding structures, see station 08020000. Numerous diversions above station for oilfield operations, municipal, and industrial uses.

AVERAGE DISCHARGE.--64 years (water years 1904-67), 3,208 ft³/s (90.85 m³/s), 2,324,000 acre-ft/yr (2.87 km³/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height (1968-80), 32.50 ft (9.906 m) Apr. 20, 1969; minimum since initial filling of Toledo Bend Reservoir in June 1968, 17.97 ft (5.477 m) Nov. 29, 1977. Maximum discharge (1903-67), 92,000 ft³/s (2,610 m³/s) Apr. 8, 1945, gage height, 44.07 ft (13.433 m), from floodmark; minimum, 16 ft³/s (0.453 m³/s) Sept. 26-28, Oct. 3, 4, 1939.
Maximum stage since at least 1884, that of Apr. 8, 1945.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in May 1884 reached a stage of 39.4 ft (12.01 m), present site and datum.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 28.62 ft (8.723 m) Apr. 16; minimum, 19.37 ft (5.904 m) Sept. 29.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
INSTANTANEOUS OBSERVATIONS AT 2400

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	21.38	21.17	21.73	21.93	24.39	22.31	24.20	24.45	24.70	23.48	22.20	20.85
2	21.22	21.22	21.63	21.89	24.27	22.85	24.28	24.44	24.57	23.40	22.20	20.87
3	21.26	21.25	21.58	21.55	24.12	23.09	24.11	24.66	24.37	23.40	22.15	20.82
4	21.22	21.34	21.52	21.59	24.10	22.80	23.98	24.85	24.29	23.34	22.09	20.82
5	21.24	21.25	21.55	21.53	23.97	22.42	24.02	25.00	24.34	23.29	21.95	20.72
6	21.15	21.20	21.36	21.61	23.88	22.48	24.06	25.15	24.30	23.28	21.82	20.76
7	21.19	21.14	21.28	21.17	23.92	22.33	23.99	25.19	24.20	23.20	21.73	20.73
8	20.87	21.13	21.20	21.13	23.91	22.12	23.54	24.85	24.04	23.15	21.73	20.58
9	20.77	21.16	21.12	21.10	24.40	22.09	23.53	24.73	23.99	23.11	21.82	20.62
10	20.65	21.17	21.13	21.17	25.10	21.95	23.72	24.69	23.98	23.02	21.71	20.57
11	20.62	21.19	21.17	20.86	25.57	21.95	26.05	24.60	23.96	22.97	21.69	20.61
12	20.80	21.20	21.33	21.02	25.90	21.90	27.03	24.63	23.94	22.96	21.50	20.58
13	20.92	21.28	21.45	20.98	26.19	21.87	27.29	24.47	23.93	22.97	21.64	20.70
14	21.03	21.22	21.55	21.02	26.21	21.97	27.81	24.62	23.98	22.90	21.85	20.58
15	20.98	21.23	21.57	21.06	26.01	22.19	28.38	25.22	24.04	22.86	21.88	20.52
16	20.94	21.25	21.21	21.05	25.55	22.13	28.59	26.20	23.88	22.74	21.73	20.67
17	20.85	21.27	21.32	21.03	25.27	21.83	28.40	26.97	23.85	22.76	21.61	20.57
18	20.77	21.36	21.35	21.13	25.03	22.21	27.90	28.07	23.80	22.93	21.44	20.32
19	20.70	21.32	21.27	21.16	24.75	22.26	27.37	28.25	23.67	22.66	21.37	20.48
20	---	21.57	21.30	21.21	24.55	22.24	26.80	27.85	23.65	22.71	21.31	20.55
21	---	22.01	21.29	21.33	24.27	22.63	26.21	27.36	23.72	22.57	21.21	20.55
22	---	22.57	21.31	22.70	24.15	22.94	25.66	26.72	23.84	22.55	21.17	20.39
23	---	22.89	21.52	23.05	23.95	22.87	25.25	26.12	23.86	22.39	21.10	20.30
24	---	22.92	21.91	23.72	23.68	22.69	25.03	25.69	23.85	22.47	21.14	20.21
25	---	22.77	22.34	24.10	23.46	22.84	24.84	25.24	23.70	22.41	21.17	20.07
26	---	22.55	22.52	24.60	23.59	22.86	24.74	24.91	23.62	22.49	21.11	19.85
27	---	22.06	22.63	24.94	23.43	22.98	24.67	24.70	23.64	22.45	21.00	19.66
28	---	21.80	22.73	25.04	23.24	23.30	24.63	24.65	23.66	22.36	21.08	19.64
29	21.03	21.74	22.64	24.94	23.09	23.59	24.58	24.67	23.56	22.26	20.85	19.37
30	21.49	21.82	22.37	24.70	---	23.97	24.56	24.59	23.53	22.24	20.99	19.54
31	21.14	---	22.04	24.51	---	24.18	---	24.70	---	22.18	20.96	---
MEAN	---	21.60	21.64	22.22	24.48	22.58	25.51	25.43	23.95	22.82	21.52	20.42
MAX	---	22.92	22.73	25.04	26.21	24.18	28.59	28.25	24.70	23.48	22.20	20.
MIN	---	21.13	21.12	20.86	23.09	21.83	23.53	24.44	23.53	22.18	20.85	19

08022500 SABINE RIVER AT LOGANSPORT, LA--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1976 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	TEMPER-ATURE, WATER (DEG C)	COLOR (PLAT-INUM COBALT UNITS)	TUR-BID-ITY (JTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./100 ML)	STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARD-NESS (MG/L AS CACO3)	HARD-NESS, NONCAR-BONATE (MG/L CACO3)
OCT 24...	0915	368	7.1	20.5	40	20	6.8	1.7	--	K60	61	22
JAN 10...	1300	270	6.5	9.5	60	20	9.2	1.7	100	K20	49	30
APR 23...	1315	208	6.6	19.5	50	25	7.4	3.2	K60	K75	43	25
JUL 09...	1130	302	6.9	32.5	10	4	--	--	K15	1020	53	16

DATE	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM AD-SORP-TION RATIO	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	BICAR-BONATE (MG/L AS HCO3)	CAR-BONATE (MG/L AS CO3)	ALKA-LINITY (MG/L AS CACO3)	CARBON DIOXIDE DIS-SOLVED (MG/L AS CO2)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)
OCT 24...	17	4.4	43	66	2.4	4.3	47	0	39	6.1	36	63
JAN 10...	12	4.6	28	64	1.7	3.8	23	0	19	12	31	47
APR 23...	11	3.8	20	48	1.3	3.6	22	0	18	8.8	28	31
JUL 09...	14	4.4	34	56	2.0	4.1	45	0	37	9.3	21	53

DATE	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L)	SOLIDS, DIS-SOLVED (TONS PER AC-FT)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS NO3)	PHOS-PHORUS, TOTAL (MG/L AS P)	PHOS-PHORUS TOTAL (MG/L AS PO4)
OCT 24...	.2	9.0	199	200	.27	.07	1.5	1.6	7.0	.080	.25
JAN 10...	.1	14	159	152	.22	.27	1.1	1.4	6.1	.110	.34
APR 23...	.1	9.2	133	118	.18	.12	1.3	1.4	6.3	.100	.31
JUL 09...	.3	10	187	163	.25	.00	1.3	1.3	5.8	.070	.21

DATE	ARSENIC DIS-SOLVED (UG/L AS AS)	ARSENIC TOTAL IN BOT-TOM MA-TERIAL (UG/G AS AS)	CADMIUM DIS-SOLVED (UG/L AS CD)	CADMIUM RECOV. FM BOT-TOM MA-TERIAL (UG/G AS CD)	CHRO-MIUM, RECOV. FM BOT-TOM MA-TERIAL (UG/G)	CHRO-MIUM, HEXA-VALENT, DIS. (UG/L AS CR)	COPPER, DIS-SOLVED (UG/L AS CU)	COPPER, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS CU)	IRON, DIS-SOLVED (UG/L AS FE)	IRON, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS FE)	LEAD, DIS-SOLVED (UG/L AS PB)	LEAD, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS PB)
OCT 24...	1	4	<1	0	3	0	0	3	30	3900	0	15

< Actual value is known to be less than the value shown.

K Results based on colony count outside the acceptable range (non-ideal count).

SABINE RIVER BASIN

08022500 SABINE RIVER AT LOGANSPORT, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	MANGANESE, DISSOLVED (UG/L AS MN)	MANGANESE, RECOV. FM BOTTOM MATERIAL (UG/G)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	MERCURY RECOV. FM BOTTOM MATERIAL (UG/G AS HG)	ZINC, DISSOLVED (UG/L AS ZN)	ZINC, RECOV. FM BOTTOM MATERIAL (UG/G AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	PCB, TOTAL (UG/L)	PCB, TOTAL IN BOTTOM MATERIAL (UG/KG)	NAPHTHALENES, POLYCHLOR. TOTAL (UG/L)
OCT 24...	80	200	.1	.03	9	14	8.6	.00	0	.0	3	.00

DATE	PCN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	CHLORDANE, TOTAL (UG/L)	CHLORDANE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDE, TOTAL (UG/L)	DDE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIAZINON, TOTAL (UG/L)
OCT 24...	0	.00	.0	.0	4	.00	.0	.00	.7	.00	.0	.01

DATE	DIAZINON, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIELDRIN TOTAL (UG/L)	DIELDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDOSULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ENDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ETHION, TOTAL (UG/L)	ETHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR, TOTAL (UG/L)	HEPTACHLOR, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR EPOXIDE TOTAL (UG/L)	HEPTACHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)
OCT 24...	.0	.00	.0	.00	.00	.0	.00	.0	.00	.0	.00	.0

DATE	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOTTOM MATERIAL (UG/KG)	MALATHION, TOTAL (UG/L)	MALATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	METHOXYCHLOR, TOTAL (UG/L)	METHOXYCHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARATHION, TOTAL (UG/L)	METHYL PARATHION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRITHION, TOTAL (UG/L)	METHYL TRITHION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, TOTAL (UG/L)
OCT 24...	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00

DATE	MIREX, TOTAL IN BOTTOM MATERIAL (UG/KG)	PARATHION, TOTAL (UG/L)	PARATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	PERTHANE TOTAL (UG/L)	TOXAPHENE, TOTAL (UG/L)	TOXAPHENE, TOTAL IN BOTTOM MATERIAL (UG/KG)	TOTAL TRITHION (UG/L)	TRITHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	2,4-D, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
OCT 24...	.0	.00	.0	.00	0	0	.00	.0	.00	.00	.00

08022765 BAYOU CASTOR NEAR FUNSTON, LA

LOCATION.--Lat 32°00'57", long 93°57'35", SW¼NE¼ sec.24, T.12 N., R.16 W., De Soto Parish, Hydrologic Unit 12010004, near center of span on downstream side of bridge on unnumbered parish road, 0.3 mi (0.5 km) downstream from Bushneck Bayou, and 2.4 mi (3.9 km) south of Funston.

DRAINAGE AREA.--91.5 mi² (237.0 km²).

PERIOD OF RECORD.--October 1971 to current year.

GAGE.--Water-stage recorder. Datum of gage is 185.50 ft (56.540 m) National Geodetic Vertical datum of 1929; the previously published figure, 188.50 ft, was incorrect.

REMARKS.--Records good except those for periods of no gage-height record, which are fair. Records of dissolved oxygen and water temperatures for water year 1980 are published under miscellaneous water-quality sites in this report.

AVERAGE DISCHARGE.--9 years, 71.8 ft³/s (2.033 m³/s), 10.66 in/yr (271 mm/yr), 52,020 acre-ft/yr (64.1 hm³/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 4,690 ft³/s (133 m³/s) Jan. 24, 1974, gage height, 15.23 ft (4.642 m); minimum no flow at times most years.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 900 ft³/s (25 m³/s) and maximum (*):

Date	Time	Discharge (ft³/s)	Discharge (m³/s)	Gage height (ft)	Gage height (m)	Date	Time	Discharge (ft³/s)	Discharge (m³/s)	Gage height (ft)	Gage height (m)
Feb. 10	1030	1520	43.0	13.91	4.240	May 17	0945	1710	48.4	14.03	4.276
Apr. 12	0200	*4210	119	*15.07	4.593						

Minimum, no flow many days.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.19	26	3.0	25	150	22	90	16	12	1.4		
2	.16	20	2.0	25	88	27	57	108	11	1.0		
3	.14	10	1.3	30	60	29	47	458	10	.79		
4	.08	5.9	1.0	36	45	24	41	179	9.5	.62		
5	.07	3.1	.70	32	38	22	34	46	8.8	.52		
6	.06	1.5	.50	29	34	20	27	30	8.3	.46		
7	.05	.67	.40	27	32	20	24	22	7.7	.34		
8	.03	.29	.30	25	59	21	21	18	7.3	.23		
9	.01	.24	.20	23	574	21	18	16	7.0	.17		
10	.01	.14	.15	22	1380	20	17	14	6.6	.08		
11	.01	.08	.12	21	767	18	231	13	6.2	.04		
12	.01	.08	.10	20	169	21	3230	14	6.0	.02		
13	.01	.08	350	19	102	28	3070	24	5.8	.00		
14	.00	.07	500	18	67	32	2550	33	5.3	.00		
15	.00	.06	150	17	55	22	1070	31	4.9	.00		
16	.00	.06	50	16	48	64	184	575	4.6	.00		
17	.00	.13	30	15	44	96	75	1620	4.1	.00		
18	.00	.20	22	14	40	70	56	1470	3.8	.00		
19	.00	.14	18	14	37	43	46	303	3.5	.00		
20	.00	.06	17	25	34	229	37	65	3.5	.00		
21	.00	1.0	16	200	32	541	30	47	5.3	.00		
22	.19	400	17	350	29	287	25	89	5.5	.00		
23	.87	650	59	100	26	79	21	235	5.8	.00		
24	1.9	200	429	80	23	124	19	74	6.6	.00		
25	.88	80	454	50	21	203	26	37	4.9	.00		
26	.28	50	99	35	18	67	46	27	3.7	.00		
27	.14	30	51	30	17	83	49	22	3.0	.00		
28	.08	15	37	27	17	373	29	18	2.5	.00		
29	.05	9.0	31	30	17	405	21	16	2.0	.00		
30	.39	5.0	29	200	---	499	17	14	1.7	.00		
31	18	---	27	350	---	314	---	13	---	.00		---
TOTAL	23.61	1508.82	2395.77	1905	4015	3824	11208	5647	176.9	5.67	.00	.00
MEAN	.76	50.3	77.3	61.5	138	123	374	182	5.90	.18	.000	.000
MAX	18	650	500	350	1380	541	3230	1620	12	1.4	.00	.00
MIN	.00	.06	.10	14	17	18	17	13	1.7	.00	.00	.00
CFSM	.008	.55	.85	.67	1.51	1.34	4.09	1.99	.06	.002	.000	.000
IN.	.01	.61	.97	.77	1.63	1.55	4.56	2.30	.07	.00	.00	.00
AC-FT	47	2990	4750	3780	7960	7580	22230	11200	351	11	.00	.00

CAL YR 1979 TOTAL 54161.23 MEAN 148 MAX 2920 MIN .00 CFSM 1.62 IN 22.02 AC-FT 107400
WTR YR 1980 TOTAL 30709.77 MEAN 83.9 MAX 3230 MIN .00 CFSM .92 IN 12.49 AC-FT 60910

NOTE.--No gage-height record Nov. 18 to Dec. 18, Dec. 31 to Feb. 5.

08022765 BAYOU CASTOR NEAR FUNSTON, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.81	3.49	---	---	---	3.32	5.39	3.02	2.82	2.08	1.68	1.09
2	1.80	3.23	---	---	---	3.53	4.57	5.36	2.77	2.05	1.69	1.09
3	1.78	2.76	---	---	---	3.59	4.26	10.92	2.72	2.02	1.64	1.09
4	1.75	2.49	---	---	---	3.38	4.08	6.86	2.68	2.00	1.61	1.08
5	1.75	2.31	---	---	---	3.32	3.79	4.23	2.64	1.99	1.58	1.08
6	1.74	2.18	---	---	3.84	3.25	3.52	3.63	2.60	1.97	1.54	1.07
7	1.74	2.08	---	---	3.70	3.23	3.39	3.33	2.57	1.95	1.51	1.07
8	1.70	2.00	---	---	4.35	3.29	3.29	3.16	2.54	1.92	1.47	1.07
9	1.66	1.99	---	---	11.41	3.27	3.17	3.04	2.51	1.90	1.43	1.07
10	1.66	1.94	---	---	13.81	3.24	3.08	2.96	2.49	1.86	1.41	1.06
11	1.67	1.92	---	---	12.13	3.17	4.47	2.91	2.46	1.82	1.38	1.06
12	1.67	1.92	---	---	6.85	3.26	14.74	2.92	2.44	1.79	1.35	1.06
13	1.66	1.92	---	---	5.65	3.54	14.68	3.40	2.43	1.75	1.33	1.06
14	1.63	1.91	---	---	4.87	3.72	14.44	3.76	2.39	1.70	1.31	1.06
15	1.62	1.91	---	---	4.52	3.32	12.91	3.63	2.36	1.67	1.28	1.06
16	1.61	1.92	---	---	4.32	4.67	7.06	11.54	2.34	1.64	1.25	1.06
17	1.64	1.94	---	---	4.17	5.52	5.06	13.87	2.30	1.61	1.22	1.05
18	1.63	---	---	---	4.02	4.90	4.55	13.72	2.28	1.57	1.19	1.05
19	1.61	---	3.33	---	3.91	4.12	4.24	8.55	2.25	1.54	1.17	1.05
20	1.61	---	3.27	---	3.81	7.47	3.90	4.80	2.25	1.50	1.15	1.05
21	1.63	---	3.22	---	3.72	11.65	3.63	4.26	2.39	1.49	1.15	1.05
22	1.78	---	3.26	---	3.60	8.52	3.43	5.23	2.41	1.53	1.13	1.05
23	1.92	---	4.28	---	3.47	5.14	3.29	7.96	2.43	1.52	1.13	1.05
24	2.06	---	10.62	---	3.35	5.94	3.20	4.98	2.49	1.49	1.12	1.05
25	1.95	---	10.66	---	3.26	7.40	3.46	3.93	2.36	1.46	1.11	1.04
26	1.84	---	5.56	---	3.16	4.84	4.25	3.54	2.28	1.44	1.11	1.04
27	1.78	---	4.41	---	3.11	5.05	4.32	3.30	2.22	1.44	1.11	1.04
28	1.76	---	3.93	---	3.09	9.95	3.59	3.16	2.18	1.50	1.10	1.04
29	1.73	---	3.69	---	3.09	10.39	3.26	3.05	2.14	1.48	1.10	1.04
30	1.78	---	3.59	---	---	11.29	3.10	2.96	2.11	1.46	1.10	1.04
31	3.08	---	---	---	---	8.92	---	2.87	---	1.45	1.10	---
MEAN	1.78	---	---	---	---	5.36	5.34	5.19	2.43	1.70	1.30	1.06
MAX	3.08	---	---	---	13.81	11.65	14.74	13.87	2.82	2.08	1.69	1.09
MIN	1.61	1.91	---	---	3.09	3.17	3.08	2.87	2.11	1.44	1.10	1.04

08023000 BAYOU CASTOR NEAR LOGANSPORT, LA

LOCATION.--Lat 31°58'25", long 93°58'10", in NE¼ sec.1, T.11 N., R.16 W., De Soto Parish, Hydrologic Unit 12010004, near center of span on downstream side of bridge on U.S. Highway 84, 1.7 mi (2.7 km) east of Logansport, and 2.5 mi (4.0 km) upstream from Bayou Grand Cane.

DRAINAGE AREA.--96.5 mi² (249.9 km²).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1955 to September 1971. October 1971 to current year (gage heights only).

GAGE.--Water-stage recorder. Datum of gage is 171.20 ft (52.182 m) National Geodetic Vertical Datum of 1929. Prior to Nov. 2, 1955, nonrecording gage at same site and datum.

AVERAGE DISCHARGE.--16 years (water years 1956-71), 69.3 ft³/s (1.962 m³/s), 9.75 in/yr (248 mm/yr), 50.210 acre-ft/yr (61.9 hm³/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 8,030 ft³/s (277 m³/s) Apr. 6, 1956, gage height, 23.33 ft (7.111 m); no flow at times most years.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 18.20 ft (5.547 m) Apr. 12; minimum, .09 ft (0.027 m) Sept. 29.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
INSTANTANEOUS OBSERVATIONS AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.07	2.74	2.35	2.49	5.21	---	3.86	2.31	2.19	1.99	1.33	.77
2	2.05	2.75	2.31	2.45	3.48	---	3.20	2.36	2.15	1.93	1.30	.75
3	2.06	2.55	2.29	2.44	3.04	---	2.93	5.81	2.12	1.87	1.28	.71
4	2.07	2.40	2.27	2.63	2.87	---	2.80	6.86	2.11	1.80	1.25	.67
5	2.07	2.31	2.26	2.61	2.75	---	2.71	3.11	2.09	1.75	1.24	.63
6	2.08	2.35	2.27	2.52	---	---	2.58	2.69	2.16	1.69	1.21	.59
7	2.08	2.38	2.25	2.46	---	---	2.50	2.51	2.20	1.64	1.19	.59
8	2.10	2.48	---	2.42	---	---	2.45	2.40	2.22	1.59	1.17	.56
9	2.10	2.47	---	2.38	---	---	2.40	2.32	2.24	1.56	1.15	.52
10	2.10	2.46	---	2.35	---	---	2.34	2.27	2.04	1.53	1.13	.49
11	2.13	2.49	---	2.35	---	---	2.31	2.24	2.04	1.50	1.10	.46
12	2.16	2.51	---	2.34	---	2.39	17.67	2.22	2.03	1.47	1.08	.43
13	2.14	2.52	---	2.32	---	2.47	17.08	2.38	2.10	1.44	1.09	.39
14	2.12	2.54	---	2.32	---	2.58	15.98	2.55	2.14	1.41	1.07	.35
15	2.10	2.54	---	2.30	---	2.51	13.47	2.54	2.13	1.38	1.05	.32
16	2.10	2.56	---	2.28	---	2.96	7.92	6.44	2.17	1.35	1.03	.29
17	2.13	2.56	---	2.29	---	3.46	4.72	9.28	2.20	1.33	1.00	.25
18	2.12	2.59	---	2.30	---	3.50	4.31	11.50	2.19	1.30	.98	.22
19	2.11	2.61	---	2.29	---	2.87	3.86	10.11	2.18	1.27	.96	.35
20	2.10	2.64	2.44	2.29	---	3.06	3.42	4.57	2.18	1.25	.94	.32
21	2.09	2.65	2.41	2.51	---	7.29	2.99	3.88	2.35	1.23	.91	.32
22	2.43	7.35	2.41	4.30	---	7.61	2.65	3.67	2.33	1.30	.89	.29
23	2.43	9.15	2.43	7.88	---	3.60	2.49	5.07	2.32	1.30	.86	.26
24	2.36	9.05	5.63	10.88	---	3.22	2.43	4.02	2.34	1.28	.83	.23
25	2.16	3.75	7.18	7.38	---	5.34	2.37	2.92	2.41	1.26	.81	.19
26	2.16	2.96	4.59	3.55	---	3.43	2.90	2.61	2.36	1.24	.78	.18
27	2.11	2.69	3.08	3.17	---	2.93	2.96	2.47	2.28	1.22	.76	.15
28	2.11	2.55	2.80	2.97	---	5.60	2.70	2.38	2.20	1.47	.74	.12
29	2.13	2.44	2.65	2.82	---	6.97	2.47	2.31	2.12	1.43	.82	.10
30	2.17	2.38	2.58	3.48	---	6.75	2.37	2.26	2.05	1.39	.81	.16
31	2.78	---	2.54	6.00	---	7.64	---	2.23	---	1.35	.79	---
MEAN	2.16	3.18	---	3.32	---	---	4.83	3.88	2.19	1.47	1.02	.39
MAX	2.78	9.15	---	10.88	---	7.64	17.67	11.50	2.41	1.99	1.33	.77
MIN	2.05	2.31	---	2.28	---	---	2.31	2.22	2.03	1.22	.74	.10

08023000 BAYOU CASTOR NEAR LOGANSPORT, LA--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1966-69, 1972-73, 1980.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	TEMPER-ATURE, WATER (DEG C)	COLOR (PLAT-INUM COBALT UNITS)	TUR-BID-ITY (JTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./100 ML)	STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARD-NESS (MG/L AS CACO3)	HARD-NESS, NONCAR-BONATE (MG/L CACO3)
OCT 24...	1000	153	6.4	14.5	70	10	2.0	3.8	--	1300	45	0
JAN 10...	1315	299	6.7	9.0	70	20	9.7	1.7	K95	K60	61	27
APR 23...	1345	219	7.0	18.5	50	15	8.1	2.8	K90	140	44	15
JUL 09...	1200	244	6.6	30.0	40	4	4.6	2.8	400	680	56	0

DATE	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM AD-SORP-TION RATIO	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	BICAR-BONATE (MG/L AS HCO3)	CAR-BONATE (MG/L AS CO3)	ALKA-LINITY (MG/L AS CACO3)	CARBON DIOXIDE DIS-SOLVED (MG/L AS CO2)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)
OCT 24...	9.8	4.9	12	33	.8	6.0	66	0	54	42	8.5	11
JAN 10...	13	6.9	31	63	1.7	6.2	41	0	34	13	37	44
APR 23...	9.7	4.9	22	50	1.4	2.2	36	0	30	5.8	23	31
JUL 09...	13	5.7	25	47	1.5	3.6	80	0	66	32	4.6	30

DATE	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L)	SOLIDS, DIS-SOLVED (TONS PER AC-FT)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS NO3)	PHOS-PHORUS, TOTAL (MG/L AS P)	PHOS-PHORUS TOTAL (MG/L AS PO4)
OCT 24...	.1	10	102	95	.14	.08	1.4	1.5	6.6	.200	.61
JAN 10...	.1	20	185	178	.25	.20	1.1	1.3	5.8	.110	.34
APR 23...	.1	19	138	130	.19	.23	.77	1.0	4.4	.120	.37
JUL 09...	.3	22	174	143	.24	.04	2.2	2.2	9.9	.280	.86

K Results based on colony count outside the acceptable range (non-ideal count).

08023000 BAYOU CASTOR NEAR LOGANSPORT, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	ARSENIC DIS- SOLVED (UG/L AS AS)	ARSENIC TOTAL IN BOT- TOM MA- TERIAL (UG/G AS AS)	CADMIUM DIS- SOLVED (UG/L AS CD)	CADMIUM RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CD)	CHRO- MIUM, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	CHRO- MIUM, HEXA- VALENT, DIS. (UG/L AS CR)	COPPER, DIS- SOLVED (UG/L AS CU)	COPPER, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CU)	IRON, DIS- SOLVED (UG/L AS FE)	IRON, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS FE)	LEAD, DIS- SOLVED (UG/L AS PB)	LEAD, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS PB)
OCT												
24...	2	2	1	0	4	0	0	2	470	4700	0	60

DATE	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MANGA- NESE, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	MERCURY RECOV. FM BOT- TOM MA- TERIAL (UG/G AS HG)	ZINC, DIS- SOLVED (UG/L AS ZN)	ZINC, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	PCB, TOTAL (UG/L)	PCB, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	NAPH- THA- LENES, POLY- CHLOR. TOTAL (UG/L)
OCT												
24...	2700	240	.1	.01	7	14	13	.00	0	.0	2	.00

DATE	PCN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	CHLOR- DANE, TOTAL (UG/L)	CHLOR- DANE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDE, TOTAL (UG/L)	DDE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- AZINON, TOTAL (UG/L)
OCT												
24...	0	.00	.0	.0	0	.00	.0	.00	.0	.00	.0	.00

DATE	DI- AZINON, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- ELDRIN TOTAL (UG/L)	DI- ELDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ENDO- SULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ENDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ETHION, TOTAL (UG/L)	ETHION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR, TOTAL (UG/L)	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR EPOXIDE TOTAL (UG/L)	HEPTA- CHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)
OCT												
24...	.0	.00	.0	.00	.00	.0	.00	.0	.00	.0	.00	.0

DATE	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	MALA- THION, TOTAL (UG/L)	MALA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	METH- OXY- CHLOR, TOTAL (UG/L)	METH- OXY- CHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARA- THION, TOTAL (UG/L)	METHYL PARA- THION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRI- THION, TOTAL (UG/L)	METHYL TRI- THION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, TOTAL (UG/L)	MIREX, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
OCT												
24...	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0

DATE	PARA- THION, TOTAL (UG/L)	PARA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	PER- THANE TOTAL (UG/L)	TOX- APHENE, TOTAL (UG/L)	TOXA- PHENE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL TRI- THION (UG/L)	TRI- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	2,4-D, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)	SEDI- MENT, SUS- PENDED (MG/L)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT												
24...	.00	.0	.00	0	0	.00	.0	.00	.00	.00	59	81
APR												
23...	--	--	--	--	--	--	--	--	--	--	47	94
JUL												
09...	--	--	--	--	--	--	--	--	--	--	122	66

08023080 BAYOU GRAND CANE NEAR STANLEY, LA

LOCATION.--Lat 31°58'45", long 93°56'02", in SW¼SE¼ sec.6, T.11 N., R.15 W., De Soto Parish, Hydrologic Unit 12010004, near center of span on downstream side of bridge on U.S. Highway 84, 2.8 mi (4.5 km) upstream from Bayou Castor, 2.9 mi (4.7 km) west of Stanley, and 3.2 mi (5.1 km) east of Logansport.

DRAINAGE AREA.--27.5 mi² (71.2 km²).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--January to September 1980.

GAGE.--Water-stage recorder. Datum of gage is 172.40 ft (52.548 m) National Geodetic Vertical Datum of 1929.

REMARKS.--Water-discharge records good. Records of dissolved oxygen and water temperatures for period January to September 1980 are published under miscellaneous water-quality sites in this report.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 800 ft^3/s (22.7 m^3/s) during period January to September and maximum (*):

Date	Time	Discharge (ft^3/s)	Discharge (m^3/s)	Gage height (ft)	Gage height (m)	Date	Time	Discharge (ft^3/s)	Discharge (m^3/s)	Gage height (ft)	Gage height (m)
Jan. 24	0445	902	25.5	10.37	3.161	Apr. 12	1700	*6200	176	*14.18	4.322
Mar. 30	2100	1500	42.5	11.03	3.362	May 17	0145	2740	77.6	12.04	3.670

Minimum, no flow many days.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR JANUARY 1980 TO SEPTEMBER 1980 MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1					162	11	332	12	7.7	.72		
2					64	12	157	31	7.1	.54		
3					34	17	178	224	6.5	.42		
4					27	15	101	279	6.1	.32		
5					23	13	50	50	5.4	.23		
6					21	12	23	21	4.9	.16		
7					19	12	18	16	4.3	.09		
8					26	12	15	13	3.9	.06		
9					305	11	14	11	3.8	.02		
10				14	670	11	13	10	3.4	.01		
11				13	648	11	320	9.4	3.1	.00		
12				13	224	11	5670	9.1	2.9	.00		
13				13	69	11	2530	14	2.7	.00		
14				13	42	12	1730	27	2.6	.00		
15				12	32	11	872	29	2.5	.00		
16				11	28	47	319	1100	2.8	.00		
17				11	25	197	83	2040	2.8	.00		
18				11	22	177	51	981	2.3	.00		
19				11	21	52	38	464	1.9	.00		
20				12	19	175	27	84	1.9	.00		
21				16	18	527	21	48	3.8	.00		
22				241	17	652	18	78	3.4	.00		
23				678	16	220	16	44	6.7	.00		
24				805	14	75	14	26	3.6	.00		
25				301	13	55	15	19	7.7	.00		
26				67	12	34	33	16	4.6	.00		
27				41	12	47	61	14	2.8	.00		
28				32	11	316	27	12	2.0	.00		
29				32	10	608	18	11	1.3	.00		
30				68	---	1240	14	9.5	.95	.00		---
31				165	---	982	---	8.5	---	.00		
TOTAL				---	2604	5586	12778	5710.5	115.45	2.57	.00	.00
MEAN				---	89.8	180	426	184	3.85	.083	.000	.000
MAX				---	670	1240	5670	2040	7.7	.72	.00	.00
MIN				---	10	11	13	8.5	.95	.00	.00	.00
CFSM				---	3.27	6.55	15.5	6.69	.14	.003	.000	.000
IN.				---	3.52	7.56	17.28	7.72	.16	.00	.00	.00
AC-FT				---	5170	11080	25350	11330	229	5.1	.00	.00

08023080 BAYOU GRAND CANE NEAR STANLEY, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR JANUARY 1980 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1					6.68	3.79	8.06	3.86	3.58	2.95	2.60	2.09
2					5.25	3.84	6.59	4.36	3.54	2.92	2.59	2.08
3					4.66	4.10	6.89	7.40	3.50	2.89	2.58	2.06
4					4.44	3.98	5.85	7.92	3.47	2.87	2.56	2.05
5					4.32	3.90	---	4.95	3.41	2.85	2.54	2.03
6					4.24	3.87	---	4.25	3.37	2.82	2.52	2.02
7					4.19	3.86	---	4.04	3.33	2.80	2.50	2.03
8					4.36	3.83	---	3.90	3.29	2.78	2.49	2.02
9					8.02	3.82	---	3.80	3.28	2.75	2.47	2.01
10				3.93	9.83	3.82	---	3.74	3.24	2.73	2.45	2.00
11				3.92	9.77	3.79	---	3.69	3.22	2.70	2.43	1.99
12				3.88	7.27	3.79	13.91	3.67	3.20	2.68	2.41	1.98
13				3.89	5.36	3.78	11.89	3.93	3.18	2.67	2.40	1.96
14				3.88	4.84	3.85	11.27	4.44	3.17	2.65	2.38	1.95
15				3.84	4.59	3.80	10.19	4.45	3.16	2.63	2.36	1.94
16				3.81	4.47	4.80	8.01	10.13	3.18	2.62	2.34	1.93
17				3.80	4.39	7.08	5.57	11.45	3.19	2.60	2.32	1.92
18				3.80	4.31	6.83	5.04	10.43	3.14	2.59	2.30	1.90
19				3.81	4.25	5.04	4.76	8.92	3.10	2.58	2.28	1.91
20				3.84	4.19	6.62	4.47	5.56	3.10	2.57	2.26	1.90
21				4.05	4.16	9.39	4.27	4.96	3.28	2.56	2.24	1.90
22				7.24	4.10	9.78	4.14	5.50	3.24	2.57	2.22	1.89
23				9.85	4.03	7.16	4.04	4.88	3.51	2.57	2.20	1.88
24				10.15	3.96	5.46	3.96	4.43	3.26	2.57	2.18	1.87
25				7.83	3.89	5.10	4.00	4.19	3.58	2.56	2.16	1.86
26				5.31	3.85	4.65	4.59	4.04	3.35	2.55	2.14	1.86
27				4.83	3.83	4.84	5.21	3.95	3.18	2.55	2.12	1.85
28				4.60	3.78	8.23	4.45	3.85	3.11	2.61	2.11	1.84
29				4.59	3.75	9.54	4.12	3.77	3.04	2.63	2.12	1.83
30				5.32	---	10.77	3.96	3.70	2.98	2.63	2.10	1.86
31				6.72	---	10.40	---	3.63	---	2.62	2.10	---
MEAN				---	4.99	5.60	---	5.22	3.27	2.68	2.34	1.95
MAX				10.15	9.83	10.77	13.91	11.45	3.58	2.95	2.60	2.09
MIN				3.80	3.75	3.78	3.96	3.63	2.98	2.55	2.10	1.83

08023080 BAYOU GRAND CANE NEAR STANLEY, LA--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1955-56, 1972-73, 1980.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE, WATER (DEG C)	COLOR (PLATINUM COBALT UNITS)	TURBIDITY (JTU)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)
OCT 24...	1030	157	6.6	16.5	70	10	2.4	2.9	--	1200	39	0
JAN 10...	1330	320	6.5	9.0	80	15	9.2	1.6	K45	K40	66	42
APR 23...	1415	230	6.8	18.5	50	15	7.7	2.1	K75	140	47	22
JUL 09...	1215	220	6.1	29.5	3	5	3.6	2.3	K15	1400	58	0

DATE	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM ADSORPTION RATIO	POTASSIUM, DISSOLVED (MG/L AS K)	BICARBONATE (MG/L AS HCO3)	CARBONATE (MG/L AS CO3)	ALKALINITY (MG/L AS CACO3)	CARBON DIOXIDE DISSOLVED (MG/L AS CO2)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)
OCT 24...	9.2	4.0	13	48	.9	5.7	55	0	45	22	10	14
JAN 10...	14	7.6	31	62	1.7	4.6	30	0	25	15	52	44
APR 23...	10	5.3	22	49	1.4	2.4	30	0	25	7.6	35	28
JUL 09...	13	6.2	20	41	1.1	3.9	83	0	68	108	3.4	22

DATE	FLUORIDE, DISSOLVED (MG/L AS F)	SILICA, DISSOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L)	SOLIDS, DISSOLVED (TONS PER AC-FT)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS NO3)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS TOTAL (MG/L AS PO4)
OCT 24...	.1	15	115	100	.16	.03	1.0	1.0	4.6	.180	.55
JAN 10...	.1	17	194	185	.26	.25	1.3	1.6	6.9	.140	.43
APR 23...	.1	15	150	133	.20	.16	1.2	1.4	6.0	.100	.31
JUL 09...	.3	18	150	128	.20	.00	1.4	1.4	6.2	.080	.25

DATE	ARSENIC DISSOLVED (UG/L AS AS)	ARSENIC TOTAL IN BOTTOM MATERIAL (UG/G AS AS)	CADMIUM DISSOLVED (UG/L AS CD)	CADMIUM RECOV. FM BOTTOM MATERIAL (UG/G AS CD)	CHROMIUM, RECOV. FM BOTTOM MATERIAL (UG/G)	CHROMIUM, HEXAVALENT, DIS. (UG/L AS CR)	COPPER, DISSOLVED (UG/L AS CU)	COPPER, RECOV. FM BOTTOM MATERIAL (UG/G AS CU)	IRON, DISSOLVED (UG/L AS FE)	IRON, RECOV. FM BOTTOM MATERIAL (UG/G AS FE)	LEAD, DISSOLVED (UG/L AS PB)	LEAD, RECOV. FM BOTTOM MATERIAL (UG/G AS PB)
OCT 24...	2	2	1	0	4	0	0	5	570	3700	0	0

DATE	MANGANESE, DISSOLVED (UG/L AS MN)	MANGANESE, RECOV. FM BOTTOM MATERIAL (UG/G)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	MERCURY RECOV. FM BOTTOM MATERIAL (UG/G AS HG)	ZINC, DISSOLVED (UG/L AS ZN)	ZINC, RECOV. FM BOTTOM MATERIAL (UG/G AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	PCB, TOTAL (UG/L)	PCB, TOTAL IN BOTTOM MATERIAL (UG/KG)	NAPHTHALENES, POLYCHLOR. TOTAL (UG/L)
OCT 24...	1200	330	.1	.04	10	8	12	.00	1	.0	1	.00

K Results based on colony count outside the acceptable range (non-ideal count).

08023080 BAYOU GRAND CANE NEAR STANLEY, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	PCN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	CHLORDANE, TOTAL (UG/L)	CHLORDANE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDE, TOTAL (UG/L)	DDE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIAZINON, TOTAL (UG/L)
OCT												
24...	0	.00	.0	.0	0	.01	.0	.00	.0	.01	.0	.00

DATE	DIAZINON, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIELDRIN TOTAL (UG/L)	DIELDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDOSULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ENDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ETHION, TOTAL (UG/L)	ETHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR, TOTAL (UG/L)	HEPTACHLOR, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR EPOXIDE TOTAL (UG/L)	HEPTACHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)
OCT												
24...	.0	.03	.0	.00	.00	.0	.00	.0	.00	.0	.00	.0

DATE	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOTTOM MATERIAL (UG/KG)	MALATHION, TOTAL (UG/L)	MALATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	METHOXYCHLOR, TOTAL (UG/L)	METHOXYCHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARATHION, TOTAL (UG/L)	METHYL PARATHION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRITHION, TOTAL (UG/L)	METHYL TRITHION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, TOTAL (UG/L)
OCT											
24...	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00

DATE	MIREX, TOTAL IN BOTTOM MATERIAL (UG/KG)	PARATHION, TOTAL (UG/L)	PARATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	PERTHANE TOTAL (UG/L)	TOXAPHENE, TOTAL (UG/L)	TOXAPHENE, TOTAL IN BOTTOM MATERIAL (UG/KG)	TOTAL TRITHION (UG/L)	TRITHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	2,4-D, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
OCT											
24...	.0	.00	.0	.00	0	0	.00	.0	.00	.00	.00

DATE	STREAMFLOW, INSTANTANEOUS (CFS)	SEDIMENT, SUSPENDED (MG/L)	SEDIMENT DISCHARGE, SUSPENDED (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT				
24...	--	65	--	89
JAN				
10...	14	40	1.5	77
APR				
13...	2200	57	342	73
15...	79	33	7.1	90
23...	16	66	2.9	99
23...	14	67	2.5	79
JUL				
09...	.02	50	.00	87

08023400 BAYOU SAN PATRICIO NEAR BENSON, LA

LOCATION.--Lat 31°52'30", long 93°39'30", lot 38, T.10 N., R.13 W., De Soto Parish, Hydrologic Unit 12010004, near right bank on downstream side of bridge on State Highway 512, 2.2 mi (3.5 km) east of Benson, and 3.9 mi (6.3 km) upstream from Bear Creek.

DRAINAGE AREA.--80.2 mi^2 (207.7 km^2).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--Annual maximums, water years, 1954-68. Occasional low-flow measurements, water years 1954-63. October 1977 to current year.

GAGE.--Water-stage recorder. Datum of gage is 208.67 ft (63.603 m) National Geodetic Vertical Datum of 1929. Oct. 29, 1953 to Sept. 30, 1968, crest-stage gage at same site and datum.

REMARKS.--Water-discharge records good except those for period of no gage-height record, which are fair. Records of dissolved oxygen for water year 1980 and water temperatures for water years 1978-80 are published under miscellaneous water-quality sites in this report.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 21,300 ft^3/s (603 m^3/s) Sept. 20, 1958, gage height, 20.36 ft (6.206 m) from rating curve extended above 8,400 ft^3/s (238 m^3/s) on basis of velocity-area study; no flow at times each year.

EXTREMES FOR CURRENT PERIOD.--Peak discharges above base of 550 ft^3/s (16 m^3/s) and maximum (*) for water years 1978-80:

Water year	Date	Time	Discharge (ft^3/s)	Discharge (m^3/s)	Gage height (ft)	Gage height (m)
1978	Apr. 18, 1978	1445	574	16.3	14.87	4.532
	Sept. 14, 1978	1715	*2190	52.0	*16.23	4.947
1979	Jan. 1, 1979	1745	795	22.5	15.46	4.172
	Jan. 7, 1979	2200	1080	30.6	15.72	4.791
	Jan. 20, 1979	1530	*4140	117	*16.81	5.123
	Jan. 31, 1979	1545	595	16.8	14.96	4.560
	Feb. 7, 1979	1645	1520	43.0	15.96	4.865
	Feb. 20, 1979	0430	600	17.0	14.98	4.566
	Feb. 25, 1979	0300	1180	34.4	15.79	4.813
	Mar. 3, 1979	1930	1300	36.8	15.85	4.831
1979	Apr. 3, 1979	unknown	1850	52.4	a16.10	4.908
	Apr. 13, 1979	1945	566	16.0	14.83	4.520
	Apr. 24, 1979	0330	758	21.5	15.41	4.697
	May 5, 1979	0930	1580	44.7	15.99	4.874
1980	Jan. 23, 1980	1000	588	16.6	14.93	4.551
	Feb. 10, 1980	1015	639	18.1	15.13	4.612
	Mar. 22, 1980	0630	855	24.2	15.53	4.734
	Mar. 29, 1980	1945	1140	32.3	15.76	4.804
	Apr. 12, 1980	1830	*8430	239	*17.84	5.438
	May 16, 1980	1830	4860	138	16.99	5.179

a From flood mark.

Minimum, no flow many days.

REVISIONS.--The maximum discharge for the water year 1958 has been revised to 21,300 ft^3/s (603 m^3/s) Sept. 20, 1958, gage height, 20.36 ft (6.206 m), superseding figure published in water-data publication, WRD LA-1973.

08023400 BAYOU SAN PATRICIO NEAR BENSON, LA--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978 MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	.00	6.2	2.1	140	11	10	2.5	1.2		.00	3.9
2	.00	.00	5.2	2.4	90	10	8.6	2.3	1.6		.00	1.5
3	.00	.00	5.4	1.7	50	9.8	7.5	2.7	2.6		.00	1.0
4	.00	.00	4.9	1.1	35	10	6.7	3.1	2.0		.00	14
5	.00	.00	4.0	.75	25	9.4	6.2	3.5	1.8		.00	4.4
6	.00	.00	3.0	.50	20	8.8	5.7	3.9	1.6		.00	1.3
7	.00	.00	1.8	.35	17	65	5.4	3.4	1.5		.00	.57
8	.00	.00	1.0	.25	15	325	5.0	3.4	2.0		.00	.19
9	.00	.00	.90	.20	14	198	4.6	4.3	3.7		.00	.04
10	.19	.00	.73	.15	14	64	4.6	8.8	2.0		.00	.02
11	.90	.00	.61	.12	14	38	7.5	4.8	1.2		.00	.19
12	1.3	.00	.61	3.0	13	28	21	16	.77		.00	.31
13	1.4	.00	4.2	50	143	21	13	86	.45		.00	.49
14	1.0	.00	53	25	459	24	7.4	97	.25		.00	789
15	.77	.00	28	12	101	38	5.6	19	.13		.00	651
16	.57	.00	13	8.5	58	28	4.6	8.2	.06		.00	147
17	.34	.00	8.8	60	40	17	17	5.2	.01		.00	12
18	.13	.00	5.3	450	59	12	463	3.9	.00		.00	5.3
19	.04	.00	3.5	100	90	10	258	3.2	.00		.00	3.2
20	.00	.00	2.8	300	51	8.9	37	2.7	.00		.00	2.0
21	.00	.00	2.3	180	33	11	15	2.3	.00		.00	1.5
22	.00	.00	2.0	60	24	18	9.8	1.9	.00		.00	1.0
23	.00	.00	1.6	30	19	23	7.5	1.6	.00		.00	.81
24	.00	.00	1.4	80	17	159	6.3	1.3	.00		.00	.57
25	.00	.02	1.3	200	15	273	5.4	1.0	.00		.00	.49
26	.00	.00	1.2	100	14	107	4.5	.85	.00		.00	.41
27	.00	.04	1.1	50	12	43	3.8	.69	.00		.00	.41
28	.00	.02	1.1	30	11	26	3.3	.57	.00		.00	.37
29	.00	.37	1.3	22	---	18	3.0	2.1	.00		.00	.34
30	.00	2.1	1.4	19	---	14	2.6	3.2	.00		2.4	.31
31	.00	---	1.6	55	---	12	---	1.7	---		12	---
TOTAL	6.64	2.55	169.25	1844.12	1593	1639.9	959.6	301.11	22.87	.00	14.40	1643.62
MEAN	.21	.085	5.46	59.5	56.9	52.9	32.0	9.71	.76	.000	.46	54.8
MAX	1.4	2.1	53	450	459	325	463	97	3.7	.00	12	789
MIN	.00	.00	.61	.12	11	8.8	2.6	.57	.00	.00	.00	.02
CFSM	.003	.001	.07	.74	.71	.66	.40	.12	.009	.000	.006	.68
IN.	.00	.00	.08	.86	.74	.76	.45	.14	.01	.00	.01	.76
AC-FT	13	5.1	336	3660	3160	3250	1900	597	45	.00	29	3260

WTR YR 1978 TOTAL 8197.06 MEAN 22.5 MAX 789 MIN .00 CFSM .28 IN 3.80 AC-FT 16260

NOTE.--No gage-height record, Jan. 3 to Feb. 6, and below lowest recordable stage, 5.40 ft, July 18 to Aug. 29.

08023400 BAYOU SAN PATRICIO NEAR BENSON, LA--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.25	.00	4.6	664	546	254	38	22	72	.37	3.0	.08
2	.19	.00	5.8	715	308	214	250	20	156	.31	1.9	1.2
3	.16	.00	20	564	299	872	1300	23	347	.25	1.4	.53
4	.11	.00	307	235	434	1110	925	409	215	.19	1.0	.34
5	.13	.00	336	95	400	657	630	1140	52	.11	.69	3.8
6	.16	.00	88	456	522	405	422	684	24	.06	.49	1.6
7	.06	.00	48	975	1170	182	188	353	44	.16	.41	1.6
8	.04	.00	62	875	865	111	103	104	67	8.6	.31	1.2
9	.02	.00	76	532	518	78	78	46	24	76	.16	.61
10	.00	.00	82	216	251	67	59	31	12	22	.13	.25
11	.00	.00	27	94	132	197	54	23	8.5	6.7	.19	.11
12	.00	.00	15	62	97	242	275	95	6.6	3.5	.61	.04
13	.00	.00	11	48	78	136	498	258	5.5	2.9	.45	.00
14	.00	.00	8.7	37	65	81	444	144	4.8	2.0	.22	.00
15	.00	.00	7.5	27	56	53	136	39	4.2	1.8	.09	.00
16	.00	.00	6.8	22	47	91	49	24	3.7	1.8	.02	.00
17	.00	.00	6.2	22	55	290	32	18	3.3	2.5	.00	.00
18	.00	.00	5.8	25	365	266	24	15	2.9	2.2	.00	.00
19	.00	.21	5.3	379	548	170	27	12	2.6	1.7	.00	.00
20	.00	.73	5.0	2610	595	274	158	11	2.3	1.5	.00	2.6
21	.00	.65	4.7	1720	538	405	300	10	2.1	1.2	.00	7.4
22	.00	.49	4.4	710	426	350	405	9.6	1.7	.77	.00	15
23	.00	.37	4.2	464	414	400	639	10	1.5	.57	.00	5.9
24	.00	.95	3.9	258	1080	450	692	12	1.3	.41	.01	2.8
25	.00	.85	3.5	143	1110	300	444	10	1.0	.34	.04	1.6
26	.00	1.2	3.3	160	745	170	146	8.1	.85	2.0	.01	.95
27	.00	41	3.2	426	522	120	62	7.2	.73	6.6	.00	.57
28	.00	19	3.0	383	308	90	40	6.8	.61	16	.00	.31
29	.00	6.6	4.0	170	---	70	28	7.2	.53	11	.00	.16
30	.00	5.6	135	240	---	55	25	14	.41	12	.01	.06
31	.00	---	300	570	---	45	---	63	---	5.9	.00	---
TOTAL	1.12	77.65	1596.9	13897	12494	8205	8471	3628.9	1068.13	191.44	11.14	48.71
MEAN	.036	2.59	51.5	448	446	265	282	117	35.6	6.18	.36	1.62
MAX	.25	41	336	2610	1170	1110	1300	1140	347	76	3.0	15
MIN	.00	.00	3.0	22	47	45	24	6.8	.41	.06	.00	.00
CFSM	.000	.03	.64	5.59	5.56	3.30	3.52	1.46	.44	.08	.004	.02
IN.	.00	.04	.74	6.45	5.80	3.81	3.93	1.68	.50	.09	.01	.02
AC-FT	2.2	154	3170	27560	24780	16270	16800	7200	2120	380	22	97

CAL YR 1978 TOTAL 9694.19 MEAN 26.6 MAX 789 MIN .00 CFSM .33 IN 4.50 AC-FT 19230
WTR YR 1979 TOTAL 49690.99 MEAN 136 MAX 2610 MIN .00 CFSM 1.70 IN 23.05 AC-FT 98560

08023400 BAYOU SAN PATRICIO NEAR BENSON, LA--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.01	18	4.1	9.7	131	18	531	24	8.4	.46		
2	.00	22	3.8	8.8	59	22	209	55	7.5	.25		
3	.00	6.7	3.5	8.4	36	23	221	258	6.8	.08		
4	.00	3.5	3.3	11	27	19	143	183	6.1	.00		
5	.00	2.1	3.2	14	23	18	75	51	5.5	.00		
6	.00	1.4	3.2	14	20	17	49	31	5.1	.00		
7	.00	1.0	3.1	10	18	16	40	23	4.7	.00		
8	.00	.77	2.9	8.9	25	15	35	18	4.4	.00		
9	.00	.69	2.8	8.0	408	16	29	16	4.1	.00		
10	.00	.57	2.8	7.3	630	16	24	14	3.8	.00		
11	.00	.45	2.8	7.1	576	14	22	12	4.0	.00		
12	.00	.37	3.6	7.3	332	13	3440	11	3.6	.00		
13	.00	.31	15	7.2	107	13	3020	11	3.3	.00		
14	.00	.25	32	6.7	65	12	2100	12	2.9	.00		
15	.00	.16	25	6.2	49	11	802	41	2.5	.00		
16	.00	.13	13	5.8	43	19	534	3120	2.2	.00		
17	.00	.06	9.0	5.9	37	80	182	2020	1.9	.00		
18	.00	.06	7.2	5.9	33	126	103	795	1.8	.00		
19	.00	.04	6.2	6.2	30	81	82	533	1.7	.00		
20	.00	.04	5.6	7.0	28	168	55	145	1.6	.00		
21	.00	.57	5.2	11	26	625	41	64	2.1	.00		
22	.00	85	5.2	219	24	750	33	46	2.7	.00		
23	.00	230	6.1	580	21	516	27	39	3.1	.00		
24	5.5	139	77	556	19	306	23	31	2.6	.00		
25	5.5	35	178	336	17	304	40	24	2.3	.00		
26	2.5	14	59	88	16	139	291	20	2.2	.00		
27	1.4	9.2	23	50	14	143	277	18	1.8	.00		
28	.77	7.0	15	37	14	598	93	15	1.4	.00		
29	.45	5.6	12	30	15	875	44	13	1.0	.00		
30	.37	4.6	10	84	---	1000	30	11	.71	.00		
31	7.8	---	9.8	177	---	765	---	9.5	---	.00		---
TOTAL	24.30	588.57	552.4	2333.4	2843	6738	12595	7663.5	101.81	.79	.00	.00
MEAN	.78	19.6	17.8	75.3	98.0	217	420	247	3.39	.025	.000	.000
MAX	7.8	230	178	580	630	1000	3440	3120	8.4	.46	.00	.00
MIN	.00	.04	2.8	5.8	14	11	22	9.5	.71	.00	.00	.00
CFSM	.01	.24	.22	.94	1.22	2.71	5.24	3.08	.04	.000	.000	.000
IN.	.01	.27	.26	1.08	1.32	3.13	5.84	3.55	.05	.00	.00	.00
AC-FT	48	1170	1100	4630	5640	13360	24980	15200	202	1.6	.00	.00

CAL YR 1979 TOTAL 49180.59 MEAN 135 MAX 2610 MIN .00 CFSM 1.68 IN 22.81 AC-FT 97550
WTR YR 1980 TOTAL 33440.77 MEAN 91.4 MAX 3440 MIN .00 CFSM 1.14 IN 15.51 AC-FT 66330

NOTE.--Below lowest recordable stage, 5.40 ft, Aug. 5 to Sept. 30.

08023400 BAYOU SAN PATRICIO NEAR BENSON, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.88	5.67	7.02	6.44	---	7.48	7.43	6.50	6.26	5.72	---	6.72
2	5.85	5.70	6.90	6.49	---	7.46	7.30	6.46	6.35	5.70	---	6.32
3	5.82	5.68	6.93	---	---	7.42	7.19	6.53	6.52	5.68	---	6.23
4	5.78	5.77	6.86	---	---	7.43	7.09	6.59	6.41	5.66	---	7.52
5	5.76	5.87	6.73	---	---	7.38	7.02	6.65	6.38	5.64	---	6.79
6	5.73	5.87	6.57	---	---	7.32	6.96	6.72	6.35	5.63	---	6.28
7	5.71	5.89	6.38	---	7.96	9.07	6.92	6.64	6.32	5.62	---	6.13
8	5.73	5.91	6.23	---	7.83	13.26	6.87	6.65	6.41	5.61	---	6.02
9.	5.77	5.92	6.21	---	7.76	11.79	6.82	6.77	6.69	5.60	---	5.96
10	5.93	5.92	6.17	---	7.76	9.53	6.82	7.32	6.41	5.58	---	5.95
11	6.21	5.92	6.14	---	7.77	8.84	7.19	6.84	6.27	5.57	---	6.02
12	6.28	5.90	6.14	---	8.18	8.45	8.16	7.86	6.18	5.55	---	6.06
13	6.31	5.89	6.58	---	13.52	8.17	7.65	9.81	6.10	5.52	---	6.11
14	6.23	5.87	9.26	---	14.26	8.31	7.18	10.16	6.04	5.50	---	10.94
15	6.18	5.87	8.46	---	11.21	8.64	6.95	8.07	6.00	5.48	---	14.91
16	6.13	5.85	7.70	---	9.41	8.44	6.81	7.26	5.97	5.45	---	10.72
17	6.07	5.84	7.32	---	8.90	7.91	7.16	6.90	5.94	5.43	---	7.62
18	6.00	5.82	6.91	---	9.43	7.61	14.27	6.72	5.93	---	---	6.91
19	5.96	5.81	6.66	---	10.04	7.45	12.57	6.61	5.93	---	---	6.61
20	5.92	5.82	6.55	---	9.23	7.35	8.80	6.53	5.91	---	---	6.42
21	5.89	5.87	6.47	---	8.66	7.49	7.83	6.46	5.89	---	---	6.32
22	5.86	5.90	6.41	---	8.28	8.02	7.42	6.40	5.87	---	---	6.24
23	5.83	5.91	6.35	---	8.04	8.27	7.19	6.34	5.85	---	---	6.19
24	5.82	5.93	6.31	---	7.91	10.94	7.04	6.29	5.83	---	---	6.13
25	5.80	5.95	6.29	---	7.80	12.75	6.92	6.24	5.81	---	---	6.11
26	5.78	5.94	6.26	---	7.71	10.33	6.80	6.20	5.78	---	---	6.09
27	5.75	5.96	6.25	---	7.60	9.01	6.70	6.16	5.76	---	---	6.09
28	5.73	5.95	6.25	---	7.51	8.37	6.62	6.13	5.75	---	---	6.08
29	5.71	6.08	6.29	---	---	7.99	6.57	6.44	5.74	---	---	6.07
30	5.69	6.44	6.31	---	---	7.74	6.52	6.60	5.73	---	5.79	6.06
31	5.67	---	6.35	---	---	7.56	---	6.37	---	---	7.63	---
MEAN	5.90	5.89	6.69	---	---	8.64	7.56	6.88	6.08	---	---	6.92
MAX	6.31	6.44	9.26	---	14.26	13.26	14.27	10.16	6.69	5.72	7.63	14.91
MIN	5.67	5.67	6.14	---	7.51	7.32	6.52	6.13	---	---	---	5.95

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.04	5.80	6.81	15.21	14.73	12.52	---	8.22	9.59	6.08	6.58	5.93
2	6.02	5.79	6.98	15.33	13.10	12.02	---	8.12	10.92	6.06	6.40	6.26
3	6.01	5.79	7.46	14.82	13.01	15.12	---	8.26	13.44	6.04	6.31	6.12
4	5.99	5.79	13.09	12.29	14.09	15.74	15.60	13.11	12.03	6.02	6.23	6.07
5	6.00	5.78	13.35	10.12	13.87	15.19	15.10	15.76	9.24	5.99	6.16	6.70
6	6.01	5.80	10.01	13.80	14.44	13.90	14.01	15.26	8.30	5.97	6.11	6.35
7	5.97	5.81	9.13	15.64	15.78	11.56	11.64	13.49	9.02	6.01	6.09	6.35
8	5.96	5.81	9.48	15.55	15.54	10.40	10.27	10.19	9.60	7.23	6.06	6.26
9	5.95	5.81	9.79	14.66	14.59	9.81	9.82	9.02	8.32	9.77	6.01	6.14
10	5.94	5.81	9.90	12.04	12.49	9.59	9.43	8.48	7.63	8.22	6.00	6.04
11	5.93	5.81	8.43	10.11	10.75	11.77	9.27	8.13	7.29	7.09	6.02	5.99
12	5.91	5.81	7.79	9.49	10.17	12.38	12.77	9.77	7.08	6.66	6.14	5.96
13	5.89	5.80	7.49	9.14	9.81	10.82	14.49	12.58	6.94	6.56	6.10	5.94
14	5.87	5.81	7.31	8.80	9.56	9.87	14.16	10.77	6.84	6.42	6.03	5.90
15	5.86	5.81	7.19	8.41	9.35	9.27	10.82	8.70	6.76	6.39	5.98	5.87
16	5.85	5.83	7.10	8.22	9.12	9.96	9.18	8.07	6.68	6.39	5.95	5.81
17	5.84	5.85	7.03	8.18	9.24	12.92	8.62	7.74	6.62	6.50	5.92	5.78
18	5.83	5.85	6.97	8.35	13.59	12.67	8.28	7.53	6.56	6.45	5.91	5.92
19	5.83	5.97	6.91	12.61	14.74	11.39	8.34	7.37	6.51	6.36	5.89	5.93
20	5.83	6.17	6.87	16.37	14.96	12.76	11.18	7.25	6.47	6.32	5.88	6.51
21	5.83	6.15	6.83	16.05	14.69	13.90	13.02	7.17	6.43	6.26	5.86	7.17
22	5.82	6.11	6.78	15.32	14.04	---	13.90	7.14	6.37	6.18	5.87	7.84
23	5.82	6.08	6.76	14.29	13.79	---	15.13	7.20	6.33	6.13	5.89	7.00
24	5.82	6.22	6.71	12.57	15.72	---	15.28	7.30	6.29	6.09	5.93	6.56
25	5.81	6.20	6.66	10.93	15.74	---	14.16	7.18	6.24	6.07	5.96	6.36
26	5.81	6.28	6.63	11.16	15.39	---	10.99	6.99	6.20	6.42	5.94	6.24
27	5.81	8.70	6.60	14.04	14.61	---	9.50	6.89	6.17	7.07	5.91	6.15
28	5.80	8.07	6.58	13.74	13.10	---	8.90	6.84	6.14	7.88	5.88	6.08
29	5.80	7.08	6.73	11.39	---	---	8.46	6.89	6.12	7.51	5.89	6.03
30	5.80	6.95	10.65	12.02	---	---	8.33	7.48	6.09	7.60	5.93	5.99
31	5.80	---	13.02	14.85	---	---	---	9.40	---	6.99	5.89	---
MEAN	5.89	6.15	8.16	12.44	13.21	---	---	8.98	7.61	6.67	6.02	6.2
MAX	6.04	8.70	13.35	16.37	15.78	15.74	---	15.76	13.44	9.77	6.58	7
MIN	5.80	5.78	6.58	8.18	9.12	---	8.28	6.84	6.09	5.97	5.86	

08023400 BAYOU SAN PATRICIO NEAR BENSON, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.96	7.73	6.79	7.41	10.73	7.58	14.29	7.96	6.96	6.07	5.45	---
2	5.94	8.13	6.75	7.32	9.38	7.85	11.83	8.84	6.89	6.02	5.43	---
3	5.92	7.13	6.71	7.28	8.74	7.88	11.99	12.49	6.83	5.97	5.42	---
4	5.90	6.69	6.67	7.49	8.40	7.66	10.86	11.39	6.78	5.92	5.41	---
5	5.87	6.47	6.66	7.75	8.19	7.59	9.68	8.99	6.73	5.87	---	---
6	5.85	6.35	6.66	7.73	8.07	7.54	8.95	8.26	6.69	5.84	---	---
7	5.83	6.27	6.64	7.46	7.98	7.47	8.64	7.86	6.64	5.81	---	---
8	5.79	6.22	6.61	7.33	8.19	7.45	8.44	7.62	6.60	5.78	---	---
9	5.76	6.20	6.59	7.24	13.36	7.49	8.18	7.47	6.56	5.76	---	---
10	5.72	6.17	6.59	7.16	15.10	7.49	7.91	7.34	6.54	5.70	---	---
11	5.69	6.14	6.60	7.14	14.88	7.36	7.80	7.23	6.55	5.66	---	---
12	5.67	6.12	6.72	7.16	13.10	7.30	15.66	7.15	6.52	5.65	---	---
13	5.66	6.10	7.81	7.15	10.24	7.27	16.47	7.16	6.47	5.64	---	---
14	5.65	6.08	8.60	7.09	9.38	7.25	16.20	7.25	6.43	5.63	---	---
15	5.64	6.05	8.33	7.03	8.97	7.18	15.47	8.13	6.38	5.63	---	---
16	5.63	6.04	7.72	6.98	8.75	7.61	14.33	16.34	6.34	5.62	---	---
17	5.63	6.01	7.38	6.97	8.55	9.64	11.45	16.17	6.30	5.61	---	---
18	5.63	6.01	7.20	6.97	8.36	10.60	10.20	15.46	6.28	5.60	---	---
19	5.62	6.00	7.07	7.02	8.22	9.73	9.77	14.27	6.27	5.58	---	---
20	5.62	6.00	7.00	7.12	8.14	10.85	9.14	10.85	6.26	5.56	---	---
21	5.61	6.17	6.95	7.54	8.06	15.05	8.67	9.36	6.33	5.59	---	---
22	5.68	9.61	6.95	11.22	7.94	15.40	8.35	8.86	6.41	5.63	---	---
23	5.68	12.23	7.06	14.90	7.80	14.21	8.09	8.61	6.45	5.62	---	---
24	6.70	10.86	9.63	14.78	7.66	13.02	7.89	8.27	6.39	5.61	---	---
25	6.95	8.68	11.50	13.35	7.55	12.99	8.42	7.95	6.36	5.58	---	---
26	6.52	7.79	9.43	10.00	7.43	10.79	12.82	7.74	6.35	5.56	---	---
27	6.32	7.40	8.27	9.19	7.37	10.78	12.66	7.57	6.28	5.53	---	---
28	6.20	7.18	7.83	8.80	7.36	14.97	9.95	7.41	6.23	5.51	---	---
29	6.12	7.00	7.59	8.52	7.38	15.55	8.77	7.26	6.17	5.49	---	---
30	6.10	6.86	7.47	9.92	---	15.66	8.24	7.14	6.12	5.47	---	---
31	7.05	---	7.42	11.49	---	15.42	---	7.05	---	5.46	---	---
MEAN	5.93	7.06	7.46	8.53	9.15	10.15	10.70	9.21	6.47	5.68	---	---
MAX	7.05	12.23	11.50	14.90	15.10	15.66	16.47	16.34	6.96	6.07	5.45	---
MIN	5.61	6.00	6.59	6.97	7.36	7.18	7.80	7.05	6.12	5.46	---	---

08023400 BAYOU SAN PATRICIO NEAR BENSON, LA--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1955, 1972-73, 1978 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE, WATER (DEG C)	COLOR (PLATINUM COBALT UNITS)	TURBIDITY (JTU)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)
OCT 24...	1215	152	6.4	14.5	100	10	5.9	3.4	--	2300	40	2
JAN 08...	1215	216	6.7	8.5	100	15	9.4	.6	120	K70	42	19
APR 23...	1600	117	6.6	18.5	60	15	7.0	.1	K60	K40	25	8
JUL 09...	1345	213	6.3	32.5	30	10	5.5	3.4	140	400	66	1

DATE	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM ADSORPTION RATIO	POTASSIUM, DISSOLVED (MG/L AS K)	BICARBONATE (MG/L AS HCO3)	CARBONATE (MG/L AS CO3)	ALKALINITY (MG/L AS CACO3)	CARBON DIOXIDE DISSOLVED (MG/L AS CO2)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)
OCT 24...	10	3.6	8.0	26	.6	7.9	46	0	38	29	15	11
JAN 08...	9.6	4.4	22	50	1.5	4.5	28	0	23	9.1	27	32
APR 23...	5.5	2.7	11	47	1.0	1.9	20	0	16	8.0	13	16
JUL 09...	16	6.3	14	30	.8	4.0	79	0	65	64	7.8	18

DATE	FLUORIDE, DISSOLVED (MG/L AS F)	SILICA, DISSOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L)	SOLIDS, DISSOLVED (TONS PER AC-FT)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS NO3)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS TOTAL (MG/L AS PO4)
OCT 24...	.1	8.8	104	89	.14	.07	1.1	1.2	5.2	.190	.58
JAN 08...	.1	17	150	130	.20	.87	1.1	2.0	8.7	.080	.25
APR 23...	.1	16	94	76	.13	.20	.87	1.1	4.7	.080	.25
JUL 09...	.3	6.1	126	114	.17	--	--	--	--	--	--

DATE	ARSENIC DISSOLVED (UG/L AS AS)	ARSENIC TOTAL IN BOTTOM MATERIAL (UG/G AS AS)	CADMIUM DISSOLVED (UG/L AS CD)	CADMIUM RECOV. FM BOTTOM MATERIAL (UG/G AS CD)	CHROMIUM, RECOV. FM BOTTOM MATERIAL (UG/G)	CHROMIUM, HEXAVALENT, DIS. (UG/L AS CR)	COPPER, DISSOLVED (UG/L AS CU)	COPPER, RECOV. FM BOTTOM MATERIAL (UG/G AS CU)	IRON, DISSOLVED (UG/L AS FE)	IRON, RECOV. FM BOTTOM MATERIAL (UG/G AS FE)	LEAD, DISSOLVED (UG/L AS PB)	LEAD, RECOV. FM BOTTOM MATERIAL (UG/G AS PB)
OCT 24...	2	3	1	0	2	0	0	4	510	4600	0	0

DATE	MANGANESE, DISSOLVED (UG/L AS MN)	MANGANESE, RECOV. FM BOTTOM MATERIAL (UG/G)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	MERCURY RECOV. FM BOTTOM MATERIAL (UG/G AS HG)	ZINC, DISSOLVED (UG/L AS ZN)	ZINC, RECOV. FM BOTTOM MATERIAL (UG/G AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	PCB, TOTAL (UG/L)	PCB, TOTAL IN BOTTOM MATERIAL (UG/KG)	NAPHTHALENES, POLYCHLOR. TOTAL (UG/L)
OCT 24...	2100	200	.1	.01	10	4	15	.00	4	.0	0	.00

K Results based on colony count outside the acceptable range (non-ideal count).

08023400 BAYOU SAN PATRICIO NEAR BENSON, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	PCN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	CHLORDANE, TOTAL (UG/L)	CHLORDANE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDE, TOTAL (UG/L)	DDE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOTTOM MATERIAL (UG/KG)	DI-AZINON, TOTAL (UG/L)
OCT												
24...	0	.00	.0	.0	0	.00	.0	.00	.0	.00	.0	.00

DATE	DI-AZINON, TOTAL IN BOTTOM MATERIAL (UG/KG)	DI-ELDRIN TOTAL (UG/L)	DI-ELDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDO-SULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ENDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ETHION, TOTAL (UG/L)	ETHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTA-CHLOR, TOTAL (UG/L)	HEPTA-CHLOR, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTA-CHLOR EPOXIDE TOTAL (UG/L)	HEPTA-CHLOR EPOXIDE TOT, IN BOTTOM MATL. (UG/KG)
OCT												
24...	.0	.00	.0	.00	.00	.0	.00	.0	.00	.0	.00	.0

DATE	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOTTOM MATERIAL (UG/KG)	MALA-THION, TOTAL (UG/L)	MALA-THION, TOTAL IN BOTTOM MATERIAL (UG/KG)	METH-OXY-CHLOR, TOTAL (UG/L)	METH-OXY-CHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARA-THION, TOTAL (UG/L)	METHYL PARA-THION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRI-THION, TOTAL (UG/L)	METHYL TRI-THION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, TOTAL (UG/L)
OCT											
24...	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00

DATE	MIREX, TOTAL IN BOTTOM MATERIAL (UG/KG)	PARA-THION, TOTAL (UG/L)	PARA-THION, TOTAL IN BOTTOM MATERIAL (UG/KG)	PER-THANE TOTAL (UG/L)	TOX-APHENE, TOTAL (UG/L)	TOXA-PHENE, TOTAL IN BOTTOM MATERIAL (UG/KG)	TOTAL TRI-THION (UG/L)	TRI-THION, TOTAL IN BOTTOM MATERIAL (UG/KG)	2,4-D, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
OCT											
24...	.0	.00	.0	.00	0	0	.00	.0	.01	.02	.00

DATE	SEDIMENT, SUSPENDED (MG/L)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT		
24...	57	79
JAN		
08...	26	93
APR		
23...	38	95
MAY		
27...	29	93
JUL		
09...	99	63

08025350 TOLEDO BEND RESERVOIR NEAR BURKEVILLE, TX

LOCATION.--Lat 31°10'25", long 93°33'57", Newton County, Hydrologic Unit 12010004, in powerhouse at right end of Toledo Bend Dam on Sabine River, 15 mi (24 km) northeast of Burkeville, and at mile 156.5 (251.8 km).

DRAINAGE AREA.--7,178 mi² (18,591 km²).

PERIOD OF RECORD.--October 1966 to current year.

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929 (levels by Sabine River Authority). Prior to July 20, 1967, nonrecording gage at same site and datum. July 20, 1967, to June 30, 1973, recording gage at south end of spillway 1.6 mi (2.6 km) north of present site and at same datum.

REMARKS.--The reservoir is formed by a rolled earthfill dam. Closure of embankment completed and deliberate impoundment was begun Oct. 3, 1966. The reservoir is operated for hydro-electric power generation and water conservation. Releases during high inflow periods are controlled by eleven 40- by 28-foot (12 by 9 m) tainter gates. An 8.33- by 12-foot (2.54 by 4 m) gated conduit through the dam is used for low-flow releases. Two additional 20-inch-diameter (508 mm) conduits, which bypass the larger conduit, may also be used for low-flow releases. Water for turbines is admitted through four 16.75- by 29-foot (5.11 by 9 m) penstocks and controlled by vertically operated caterpillar-type gates. The capacity table is based on Geological Survey topographic maps. For statement regarding regulation by Soil Conservation Service floodwater-retarding structures, see station 08020000 and by upstream reservoirs, see station 08020000. Figures given herein represent total contents. Data regarding the dam and reservoir are given in the following table:

	Elevation (feet)	Capacity (acre-feet)
Top of dam	185.0	---
Design flood	175.3	5,102,000
Top of gates	173.0	4,660,000
Top of power drawdown storage	172.0	4,476,000
Top of power head storage	162.2	2,922,000
Crest of spillway (controlled)	145.0	1,162,000
Lowest gated outlet (invert)	100.0	4,090

COOPERATION.--Capacity table furnished by the Sabine River Authority.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 4,739,000 acre-ft (5.84 km³) Mar. 21, 1969, elevation, 173.42 ft (52.858 m); minimum since initial filling of reservoir in June 1968, 3,433,000 acre-ft (4.23 km³) Nov. 27, 1977, elevation, 165.74 ft (50.518 m).

EXTREMES FOR CURRENT YEAR.--Maximum contents, 4,642,000 acre-ft (5.72 km³) May 29, elevation, 172.90 ft (52.700 m); minimum, 3,711,000 acre-ft (4.58 km³) Sept. 28, 30, elevation, 167.52 ft (51.060 m).

Capacity table (elevation, in feet, and total contents, in acre-feet)

167.0	3,628,000	172.0	4,476,000
169.0	3,953,000	173.0	4,660,000
170.0	4,123,000		

RESERVOIR STORAGE (AC-FT), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
INSTANTANEOUS OBSERVATIONS AT 2400

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3956000	3958000	4044000	3983000	4198000	4324000	4387000	4463000	4453000	4333000	4082000	3892000
2	3955000	3965000	4027000	3961000	4200000	4219000	4387000	4472000	4463000	4324000	4075000	3885000
3	3983000	3981000	4012000	3948000	4208000	4161000	4413000	4476000	4472000	4306000	4070000	3882000
4	3961000	3951000	3994000	3961000	4210000	4179000	4401000	4485000	4471000	4311000	4058000	3865000
5	3943000	3981000	3980000	3943000	4212000	4168000	4381000	4494000	4456000	4311000	4051000	3873000
6	3961000	3974000	3980000	3925000	4210000	4140000	4365000	4504000	4447000	4297000	4046000	3873000
7	3938000	3950000	3970000	3925000	4200000	4126000	4347000	4513000	4455000	4297000	4046000	3867000
8	3935000	3941000	3951000	3920000	4285000	4120000	4369000	4513000	4462000	4283000	4037000	3873000
9	3995000	4005000	3940000	3916000	4345000	4095000	4351000	4467000	4458000	4271000	4029000	3867000
10	3961000	3978000	3931000	3915000	4351000	4092000	4315000	4449000	4447000	4262000	4024000	3862000
11	3933000	3965000	3936000	3933000	4385000	4080000	4378000	4449000	4440000	4252000	4024000	3855000
12	3928000	3943000	4003000	3907000	4395000	4071000	4458000	4449000	4428000	4241000	4024000	3854000
13	3946000	3983000	4019000	3903000	4385000	4073000	4572000	4504000	4413000	4240000	4020000	3837000
14	3928000	3981000	4000000	3903000	4387000	4066000	4572000	4498000	4404000	4226000	3997000	3845000
15	3933000	3951000	3993000	3907000	4422000	4054000	4596000	4517000	4401000	4215000	3980000	3837000
16	3928000	3965000	4027000	3920000	4422000	4080000	4577000	4587000	4390000	4203000	3980000	3821000
17	3933000	3958000	3965000	3924000	4381000	4123000	4568000	4596000	4395000	4189000	3988000	3816000
18	3925000	3958000	3963000	3924000	4360000	4094000	4581000	4614000	4387000	4194000	3983000	3837000
19	3907000	3981000	3965000	3936000	4354000	4114000	4574000	4638000	4387000	4186000	3980000	3829000
20	3913000	3950000	3953000	3953000	4351000	4200000	4563000	4624000	4387000	4184000	3970000	3821000
21	3897000	4037000	3958000	3963000	4344000	4153000	4550000	4596000	4390000	4184000	3965000	3821000
22	3987000	4058000	3968000	4037000	4318000	4144000	4531000	4577000	4395000	4257000	3956000	3829000
23	3945000	4058000	3970000	4019000	4327000	4167000	4507000	4541000	4383000	4167000	3953000	3821000
24	3936000	4049000	3987000	4040000	4351000	4175000	4476000	4509000	4379000	4147000	3948000	3804000
25	3933000	4045000	3987000	4075000	4354000	4173000	4513000	4494000	4385000	4130000	3931000	3780000
26	3921000	4088000	3987000	4106000	4297000	4184000	4513000	4476000	4383000	4130000	3923000	3764000
27	3920000	4137000	3990000	4126000	4271000	4231000	4476000	4451000	4363000	4130000	3920000	3719000
28	3930000	4133000	3992000	4140000	4260000	4260000	4455000	4449000	4336000	4133000	3907000	3722000
29	3916000	4074000	4000000	4158000	4264000	4329000	4440000	4440000	4351000	4125000	3902000	3721000
30	3965000	4056000	4003000	4226000	---	4351000	4440000	4453000	4342000	4111000	3893000	3711000
31	3958000	---	3993000	4215000	---	4369000	---	4449000	---	4102000	3892000	---
(†)	169.09	169.61	169.24	170.53	170.81	171.40	171.80	171.85	171.25	169.88	169.83	167.52
(‡)	+13,000	+88,000	-63,000	+222,000	+49,000	+105,000	+71,000	+9,000	-107,000	-240,000	-210,000	-181,000
MAX	3995000	4137000	4044000	4226000	4422000	4369000	4596000	4638000	4472000	4333000	4082000	3892000
MIN	3897000	3941000	3931000	3903000	4198000	4054000	4315000	4440000	4336000	4102000	3892000	3711000

CAL YR 1979 MAX 4638000 MIN 3897000 ‡ -72,000
WTR YR 1980 MAX 4638000 MIN 3711000 ‡ -244,000

† Elevation, in feet, at end of month.
‡ Change in contents, in acre-feet.

08025360 SABINE RIVER AT TOLEDO BEND RESERVOIR NEAR BURKEVILLE, TX

LOCATION.--Lat 31°10'25", long 93°33'57", Newton County, Hydrologic Unit 12010005, in powerhouse at right end of Toledo Bend Dam, 10 mi (16 km) upstream from Sabine River near Burkeville gage, and at mile 156.5 (251.8 km).

DRAINAGE AREA.--7,178 mi² (18,591 km²).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1971 to current year.

GAGE.--Water-stage recorders. Datum of gages is National Geodetic Vertical Datum of 1929 (levels by Sabine River Authority).

REMARKS.--Water-discharge records fair. Low flows are based on operation logs and discharge measurements and include tainter gate releases, turbine leakage, and low-flow sluiceway discharges. Discharges during turbine release periods are based on scroll case differential pressure-discharge relationships. Discharges above 16,000 ft³/s (453 m³/s) usually include tainter gate releases, which are computed using tainter gate rating.

AVERAGE DISCHARGE.--9 years, 6,021 ft³/s (170.5 m³/s), 4,362,000 acre-ft/yr (5.38 km³/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 67,000 ft³/s (1,900 m³/s) Jan. 28, 1974; minimum daily, 30 ft³/s (0.85 m³/s) estimated Oct. 1-4, 1972.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 35,400 ft³/s (1,000 m³/s) May 19; minimum daily, 107 ft³/s (3.03 m³/s) for many days.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	108	144	7120	9040	9060	10300	7370	2520	194	3440	3630	194
2	107	144	7010	9020	9000	14600	9720	2610	3590	3430	194	2570
3	107	144	7030	8420	9100	14900	7460	194	3600	3500	257	2120
4	107	144	6540	8160	5060	13400	11800	194	3850	194	4040	2090
5	107	144	6990	9380	7030	10900	11700	2500	3700	194	5760	194
6	107	144	5060	8770	9960	11100	10700	2800	3590	194	2450	194
7	107	144	7070	8710	9460	11100	6860	8130	194	3430	2180	194
8	107	144	7120	4770	6910	11000	6880	14000	194	3720	2280	3340
9	107	144	7100	4160	4360	10900	6830	14500	3330	3550	194	194
10	107	144	3050	3780	3450	9360	6800	7360	3370	3560	194	194
11	107	144	169	4090	4760	5630	5080	566	3410	3730	194	194
12	107	144	169	4380	9380	2720	9570	2630	3370	194	194	995
13	107	144	4500	3820	16500	2590	20100	2630	3370	194	194	194
14	107	144	7140	194	17300	1070	29200	7870	194	3760	1440	194
15	107	144	7220	194	16000	194	29800	14200	169	3610	4140	1760
16	107	144	7220	194	14700	194	29700	21600	3810	3500	194	194
17	107	144	11000	194	14500	1340	29700	32900	150	3520	194	1360
18	107	144	10600	194	14400	2730	29300	35000	1510	3530	2840	194
19	107	144	3190	194	14500	2670	19700	35400	6000	194	2650	1360
20	107	144	169	194	14500	2820	18500	35200	3400	194	2840	194
21	107	144	3620	194	14500	5130	18400	35300	194	3560	2510	194
22	107	144	3750	7340	14400	5030	18900	35200	2640	3710	2720	3500
23	107	2270	3510	4210	14400	5040	21200	31400	3380	3600	194	7230
24	107	3730	3890	3960	14600	7200	20900	25400	3360	3640	194	7250
25	1340	3700	3550	3850	13500	7320	19600	21800	3530	3640	2720	6630
26	140	4780	6640	3750	11100	7420	21700	21700	3250	194	2710	10400
27	107	7080	7610	4320	9630	6820	22100	14900	3440	194	2850	14200
28	107	7140	7360	7590	7190	7590	19200	3430	3560	3600	1440	194
29	120	7070	7590	7750	7400	7790	13800	3530	194	3600	4060	5460
30	144	7160	7470	7820	---	7730	194	3470	3520	3560	194	180
31	144	---	7290	9210	---	7430	---	194	---	3400	194	---
TOTAL	4671	46098	177747	147852	316650	214018	482764	439128	78063	80336	55845	73161
MEAN	151	1537	5734	4769	10920	6904	16090	14170	2602	2591	1801	2439
MAX	1340	7160	11000	9380	17300	14900	29800	35400	6000	3760	5760	14200
MIN	107	144	169	194	3450	194	194	194	150	194	194	180
AC-FT	9260	91440	352600	293300	628100	424500	957600	871000	154800	159300	110800	145100

CAL YR 1979 TOTAL 3294755 MEAN 9027 MAX 28900 MIN 58 AC-FT 6535000
WTR YR 1980 TOTAL 2116333 MEAN 5782 MAX 35400 MIN 107 AC-FT 4198000

08025360 SABINE RIVER AT TOLEDO BEND RESERVOIR NEAR BURKEVILLE, TX--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1968 to current year.

REMARKS.--Data furnished by Texas District.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	TEMPER-ATURE, WATER (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	HARD-NESS (MG/L AS CACO3)	HARD-NESS, NONCAR-BONATE (MG/L CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)
OCT 24...	0945	300	7.1	19.0	7.7	82	2.3	18	0	5.1
JAN 17...	0940	156	6.6	12.0	10.6	97	.8	33	10	8.0
FEB 28...	0900	170	7.5	10.0	13.8	121	1.0	32	10	7.9
MAY 01...	0930	148	7.0	15.5	7.6	76	.9	32	10	7.9
JUN 27...	1045	164	6.8	25.0	6.5	77	.1	33	18	8.2
AUG 28...	1010	178	6.4	19.0	5.3	56	.5	32	8	8.1

DATE	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM AD-SORP-TION RATIO	SODIUM+ POTAS-SIUM DIS-SOLVED (MG/L AS NA)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	BICAR-BONATE (MG/L AS HCO3)	CAR-BONATE (MG/L AS CO3)	ALKA-LINITY (MG/L AS CACO3)
OCT 24...	1.2	52	84	5.4	55	3.4	100	0	82
JAN 17...	3.2	16	49	1.2	19	2.9	28	0	23
FEB 28...	2.9	15	48	1.2	18	2.5	27	0	22
MAY 01...	3.0	14	46	1.1	--	3.2	27	0	22
JUN 27...	3.0	16	49	1.2	--	3.2	18	0	15
AUG 28...	2.9	18	52	1.4	--	3.0	29	0	24

DATE	CARBON DIOXIDE DIS-SOLVED (MG/L AS CO2)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SIO2)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L)	SOLIDS, DIS-SOLVED (TONS PER AC-FT)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)
OCT 24...	13	19	23	.3	50	203	.28	.02	.00
JAN 17...	11	16	19	.1	6.8	86	.12	.06	.01
FEB 28...	1.4	16	18	.1	5.7	81	.11	.17	.01
MAY 01...	4.3	15	18	.2	7.4	82	.11	.13	.00
JUN 27...	4.6	20	24	.1	6.7	90	.12	.08	.00
AUG 28...	18	21	26	.1	8.8	102	.14	.00	.01

08025360 SABINE RIVER AT TOLEDO BEND RESERVOIR NEAR BURKEVILLE, TX--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS NH4)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS NO3)	PHOS-PHORUS, TOTAL (MG/L AS P)	PHOS-PHORUS TOTAL (MG/L AS PO4)
OCT									
24...	.02	.15	.18	.52	.67	.69	3.1	.320	.98
JAN									
17...	.07	.02	.02	.41	.43	.50	2.2	.030	.09
FEB									
28...	.18	.00	.00	.39	.39	.57	2.5	.000	.00
MAY									
01...	.13	.08	.10	.56	.64	.77	3.4	.030	.09
JUN									
27...	.08	.04	.05	.75	.79	.87	3.9	.010	.03
AUG									
28...	.01	.37	.45	.12	.49	.49	2.2	.040	.12

08025500 BAYOU TORO NEAR TORO, LA

LOCATION.--Lat 31°18'25", long 93°30'56", in SW¼ sec.20, T.4 N., R.11 W., Sabine Parish, Hydrologic Unit 12010005, near right bank on downstream side of bridge on State Highway 473, 0.2 mi (0.3 km) upstream from Hamby Creek, 2.5 mi (4.0 km) northeast of Toro, and 7.8 mi (12.5 km) west of Hornbeck.

DRAINAGE AREA.--148 mi^2 (383 km^2).

PERIOD OF RECORD.--October 1955 to current year.

GAGE.--Water-stage recorder. Datum of gage is 138.00 ft (42.062 m) National Geodetic Vertical Datum of 1929 (levels by Louisiana Department of Transportation and Development, Office of Public Works).

REMARKS.--Records good. Records of dissolved oxygen and water temperatures for water year 1980 are published under miscellaneous water-quality sites in this report.

AVERAGE DISCHARGE.--25 years, 144 ft^3/s (4.078 m^3/s), 13.21 in/yr (336 mm/yr), 104,300 acre-ft/yr (129 hm^3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 31,200 ft^3/s (884 m^3/s) Apr. 9, 1968, gage height, 25.73 ft (7.842 m) from rating curve extended above 13,000 ft^3/s (368 m^3/s); minimum, 0.1 ft^3/s (0.003 m^3/s) Sept. 29, 30, Oct. 1-3, 1956; minimum gage height, 2.40 ft (0.732 m) Sept. 30, Oct. 1, 1956.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 1,200 ft^3/s (34 m^3/s) and maximum (*):

Date	Time	Discharge (ft^3/s)	Discharge (m^3/s)	Gage height (ft)	Gage height (m)	Date	Time	Discharge (ft^3/s)	Discharge (m^3/s)	Gage height (ft)	Gage height (m)
Dec. 13	0400	1880	53.2	12.04	3.670	Apr. 13	2230	1350	38.2	10.38	3.164
Jan. 23	0445	1210	34.3	9.89	3.014	Apr. 26	0815	1670	47.0	11.43	3.484
Jan. 31	0445	1460	41.3	10.72	3.267	May 19	1045	3360	95.2	15.81	4.819
Feb. 9	1715	3390	96.0	15.86	4.834	May 28	0830	1330	37.7	10.29	3.136
Mar. 30	0730	*4010	114	*17.16	5.230						

Minimum discharge, 2.3 ft^3/s (0.065 m^3/s) Aug. 28, 29, gage height, 2.70 ft (0.823 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13	285	38	83	563	248	1010	120	103	19	11	6.3
2	11	85	36	73	227	301	305	119	93	17	11	6.3
3	11	42	34	69	155	147	264	121	85	16	13	6.0
4	8.8	29	32	78	127	107	234	104	79	15	9.7	5.4
5	7.3	22	30	93	112	102	161	90	74	14	8.0	5.4
6	9.6	19	30	77	121	98	131	80	69	13	6.8	6.5
7	8.5	16	30	69	120	86	121	73	63	12	6.3	7.0
8	8.2	15	30	65	301	82	113	71	60	11	5.8	6.5
9	8.3	26	28	61	2800	79	100	68	56	9.7	5.2	8.4
10	7.3	33	25	58	3000	73	88	64	53	9.4	4.8	7.5
11	7.0	38	25	72	2380	67	82	59	50	8.8	5.0	6.8
12	7.6	33	496	92	735	65	207	55	46	8.4	5.4	5.9
13	7.3	25	1680	82	291	64	932	68	44	7.8	5.1	5.2
14	7.3	21	1430	66	214	58	1260	86	40	7.6	6.0	4.4
15	7.0	18	786	60	178	51	734	95	38	7.1	6.2	4.1
16	6.7	16	175	57	160	49	218	1880	36	6.5	5.8	4.2
17	7.6	15	122	56	149	66	148	2100	34	5.8	5.3	3.5
18	7.1	15	97	55	132	166	327	1760	33	6.2	4.8	3.1
19	7.5	15	85	52	120	162	234	2670	31	31	4.4	3.0
20	8.6	14	79	50	113	513	137	2050	30	26	3.9	3.1
21	7.6	20	75	58	107	826	106	1120	33	12	3.7	3.3
22	18	753	75	433	99	425	91	353	44	8.9	3.6	3.3
23	73	832	120	1170	92	167	81	252	113	16	3.3	3.6
24	55	453	661	833	85	140	74	188	70	22	3.0	3.5
25	28	154	593	239	80	132	384	156	55	14	2.7	8.1
26	17	92	196	224	73	129	1530	137	38	11	2.8	6.1
27	12	70	124	274	68	754	1350	143	31	9.2	2.6	5.8
28	10	58	100	169	67	2500	469	1020	26	11	2.5	6.2
29	9.2	50	89	127	81	2740	190	291	24	13	2.5	6.0
30	9.5	44	93	245	---	3790	139	151	22	20	5.4	5.8
31	105	---	96	1180	---	2750	---	118	---	14	7.2	---
TOTAL	511.0	3308	7510	6320	12750	16937	11220	15662	1573	402.4	172.8	160.3
MEAN	16.5	110	242	204	440	546	374	505	52.4	13.0	5.57	5.34
MAX	105	832	1680	1180	3000	3790	1530	2670	113	31	13	8.4
MIN	6.7	14	25	50	67	49	74	55	22	5.8	2.5	3.0
AC-FT	1010	6560	14900	12540	25290	33590	22250	31070	3120	798	343	318

CAL YR 1979 TOTAL 102961.9 MEAN 282 MAX 4820 MIN 5.8 AC-FT 204200
WTR YR 1980 TOTAL 76526.5 MEAN 209 MAX 3790 MIN 2.5 AC-FT 151800

08025500 BAYOU TORO NEAR TORO, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.15	5.94	3.61	4.27	7.31	5.80	9.02	4.74	4.29	3.15	3.01	2.85
2	3.13	4.33	3.57	4.13	5.67	6.12	6.15	4.73	4.15	3.12	3.01	2.85
3	3.11	3.71	3.53	4.07	5.15	5.11	5.94	4.75	4.04	3.10	3.05	2.83
4	3.08	3.49	3.50	4.20	4.88	4.69	5.76	4.54	3.96	3.07	2.96	2.82
5	3.04	3.38	3.48	4.42	4.71	4.63	5.25	4.35	3.89	3.05	2.92	2.82
6	3.10	3.31	3.47	4.19	4.81	4.57	4.98	4.21	3.82	3.04	2.89	2.85
7	3.07	3.27	3.47	4.06	4.80	4.41	4.86	4.11	3.75	3.02	2.87	2.86
8	3.06	3.24	3.46	4.00	5.54	4.35	4.77	4.07	3.69	3.00	2.85	2.85
9	3.07	3.43	3.43	3.94	14.48	4.30	4.60	4.03	3.64	2.98	2.83	2.90
10	3.05	3.56	3.39	3.90	14.99	4.21	4.44	3.97	3.61	2.97	2.82	2.88
11	3.04	3.64	3.38	4.12	13.42	4.13	4.35	3.89	3.57	2.96	2.81	2.86
12	3.06	3.56	6.06	4.40	7.99	4.10	5.50	3.84	3.52	2.95	2.83	2.83
13	3.05	3.43	11.46	4.27	6.08	4.07	8.76	4.03	3.48	2.93	2.82	2.81
14	3.05	3.35	10.66	4.02	5.64	3.99	10.08	4.30	3.43	2.93	2.84	2.79
15	3.05	3.31	8.15	3.92	5.38	3.88	8.02	4.40	3.40	2.92	2.84	2.78
16	3.05	3.26	5.28	3.88	5.25	3.85	5.65	11.99	3.37	2.90	2.83	2.78
17	3.07	3.25	4.79	3.87	5.15	4.11	5.14	12.71	3.35	2.88	2.81	2.76
18	3.06	3.25	4.48	3.85	4.98	5.27	6.25	11.71	3.33	2.89	2.80	2.74
19	3.07	3.24	4.31	3.81	4.85	5.23	5.75	14.07	3.31	3.35	2.78	2.74
20	3.09	3.23	4.22	3.77	4.77	7.09	5.03	12.55	3.30	3.29	2.77	2.74
21	3.08	3.33	4.16	3.89	4.70	8.45	4.68	9.46	3.35	3.02	2.76	2.75
22	3.29	8.11	4.15	6.26	4.59	6.69	4.48	6.20	3.53	2.96	2.76	2.75
23	4.18	8.46	4.55	9.76	4.49	5.29	4.33	5.62	4.49	3.11	2.75	2.76
24	3.90	6.77	7.73	8.43	4.39	5.07	4.23	5.17	3.94	3.22	2.73	2.75
25	3.47	5.06	7.43	5.72	4.31	4.98	5.90	4.90	3.72	3.08	2.72	2.89
26	3.28	4.32	5.42	5.63	4.21	4.93	10.98	4.72	3.45	3.01	2.72	2.84
27	3.18	4.11	4.80	5.93	4.14	7.75	10.39	4.71	3.33	2.96	2.72	2.83
28	3.14	3.91	4.51	5.24	4.12	13.75	6.83	9.14	3.27	3.01	2.71	2.84
29	3.12	3.80	4.37	4.84	4.32	14.27	5.38	5.79	3.22	3.06	2.71	2.84
30	3.12	3.70	4.42	5.38	---	16.72	4.95	4.82	3.19	3.19	2.81	2.83
31	4.44	---	4.45	9.79	---	14.34	---	4.48	---	3.07	2.87	---
MEAN	3.21	4.09	4.96	4.90	6.04	6.33	6.08	6.19	3.61	3.04	2.83	2.81
MAX	4.44	8.46	11.46	9.79	14.99	16.72	10.98	14.07	4.49	3.35	3.05	2.90
MIN	3.04	3.23	3.38	3.77	4.12	3.85	4.23	3.84	3.19	2.88	2.71	2.74

08025606 BAYOU TORO NEAR TOLEDO BEND, NEAR TORO, LA

LOCATION.--Lat 31°12'12", long 93°32'39", on line between sec.25 and 36, T.2 N., R.11 W., Vernon Parish, Hydrologic Unit 12010005, near left bank on downstream side of bridge on State Highway 392, 1.8 mi (2.9 km) upstream from mouth and 7.3 mi (11.8 km) south of Toro.

DRAINAGE AREA.--205 mi² (531 km²).

PERIOD OF RECORD.--June 1966 to July 1974 low-flow measurements and occasional miscellaneous measurements. October 1976 to current year (elevations only).

REVISED RECORDS.--WDR LA-79-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 108.82 ft (33.168 m) May 19, 1980; minimum not determined.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 108.82 ft (33.168 m) May 19; minimum observed, 91.65 ft (27.935 m) Sept. 22 but may have been less during periods below lowest recordable elevation.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
INSTANTANEOUS OBSERVATIONS AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	91.83	92.88	92.10	92.39	94.17	93.05	96.10	92.97	---	91.85	---	---
2	91.82	92.58	92.07	92.32	93.06	94.13	94.27	---	---	91.84	---	---
3	91.80	92.18	92.05	92.30	92.78	94.26	93.55	---	---	91.82	---	---
4	---	92.03	92.04	92.31	92.65	94.29	93.23	---	---	91.80	---	---
5	---	91.95	92.02	92.40	92.57	92.54	93.19	---	92.22	---	---	---
6	---	91.92	92.03	92.36	92.57	92.51	93.37	---	92.19	---	---	---
7	---	91.88	92.02	92.28	93.62	92.46	92.98	---	92.15	---	---	---
8	---	91.86	92.01	92.25	92.53	92.41	92.70	92.85	92.12	---	---	---
9	---	91.85	92.00	92.24	---	92.39	92.64	93.49	92.09	---	---	---
10	---	92.17	91.99	92.21	---	92.35	92.64	93.66	92.06	---	---	---
11	---	92.00	91.98	92.41	---	92.32	92.63	---	92.05	---	---	---
12	---	92.04	91.99	92.37	---	92.30	92.71	---	92.03	---	---	---
13	---	91.97	96.44	92.40	94.71	92.28	94.38	---	92.01	---	---	---
14	---	91.91	95.27	92.30	95.93	92.26	103.08	---	91.97	---	---	---
15	---	91.88	95.09	92.24	95.90	92.22	103.96	93.12	91.97	---	---	---
16	---	91.86	92.93	92.22	94.55	92.19	103.75	97.84	91.96	---	---	---
17	---	91.85	92.65	92.21	94.17	92.23	103.64	105.19	91.94	---	---	---
18	---	91.84	94.00	92.20	94.11	92.45	103.62	107.17	91.93	---	---	---
19	---	91.84	92.38	92.19	94.10	92.68	101.07	107.91	91.92	---	---	---
20	---	91.83	92.33	92.17	94.08	93.08	99.25	108.44	91.91	92.02	---	---
21	---	91.83	92.30	92.16	94.05	94.53	98.71	107.83	91.93	91.86	---	---
22	91.80	94.31	92.29	92.37	94.05	93.83	98.79	107.24	91.93	---	---	---
23	91.93	94.53	92.30	95.06	94.03	92.67	99.83	106.35	92.84	---	---	---
24	92.29	93.75	93.97	94.70	94.06	92.74	98.60	104.32	92.22	91.81	---	---
25	92.05	92.88	94.00	93.10	94.18	92.68	98.58	100.53	92.14	91.85	---	---
26	91.92	92.52	92.98	92.87	92.36	92.63	100.43	99.60	92.04	---	---	---
27	91.85	92.35	92.64	93.05	92.32	92.74	100.41	98.23	91.96	---	---	94.34
28	91.82	92.25	92.51	92.83	92.31	98.63	100.14	94.17	91.92	---	---	---
29	91.80	92.18	92.43	92.65	92.30	96.59	96.22	94.18	91.90	---	---	---
30	---	92.14	92.41	92.58	---	99.26	93.80	93.02	91.87	---	---	---
31	92.25	---	92.43	---	---	98.24	---	---	---	91.83	---	---
MEAN	---	92.30	92.76	---	---	93.51	97.28	---	---	---	---	---
MAX	92.29	94.53	96.44	95.06	95.93	99.26	103.96	108.44	---	92.02	---	94.34
MIN	---	91.83	91.98	92,16	92,30	92.19	92.63	---	91.87	---	---	---

NOTE.--Below lowest recordable elevation of 91.80 ft, Oct. 4-21, 30, July 5-19, 22, 23, 26-30, Aug. 1 to Sept. 26, 28-30.

08026000 SABINE RIVER NEAR BURKEVILLE, TX

LOCATION.--Lat 31°03'50", long 93°31'10", Newton County, Texas-Vernon Parish, Lousiana State line, Hydrologic Unit 12010005, near left edge of low-water channel at downstream side of bridge on State Highway 63, about 200 ft (61 m) downstream from Pearl Creek, 10 mi (16 km) northeast of Burkeville, 16 mi (26 km) downstream from Bayou Toro, and at mile 139.7 (224.8 km).

DRAINAGE AREA.--7,482 mi^2 (19,378 km^2).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--September 1955 to current year. Published as "below Toledo Bend near Burkeville" for period 1955-75.

REVISED RECORDS.--WSP 1732: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 70.59 ft (21.516 m) National Geodetic Vertical Datum of 1929. Prior to Aug. 23, 1958, nonrecording gage at same site and datum.

REMARKS.--Water-discharge records fair. Flow regulated by Toledo Bend Reservoir (station 08025350) 16.8 mi (27.0 km) upstream, capacity 4,660,000 acre-ft (5.75 km^3).

AVERAGE DISCHARGE.--11 years (water years 1956-66) prior to completion of Toledo Bend Reservoir, 4,653 ft^3/s (131.8 m^3/s), 3,371,000 acre-ft/yr (4.16 km^3/yr); 14 years (water years 1967-80) regulated, 5,272 ft^3/s (149.3 m^3/s), 3,820,000 acre-ft/yr (4.71 km^3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 80,600 ft^3/s (2,280 m^3/s) Jan. 29, 1974, gage height, 34.20 ft (10.424 m); minimum daily, 38 ft^3/s (1.08 m^3/s) Sept. 14, 15, 1967.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage since at least 1860, 35.9 ft (10.94 m) in May 1884, from information by local resident. Flood of Apr. 15, 1945, reached a stage of 35.8 ft (10.91 m), and flood of May 23, 1953, reached a stage of 35.3 ft (10.76 m), from floodmarks.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 35,600 ft^3/s (1,010 m^3/s) May 20, gage height, 28.25 ft (8.611 m); minimum daily, 136 ft^3/s (3.85 m^3/s) Oct. 16.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3760	559	7010	8440	9800	8420	9620	1480	749	3780	3710	265
2	329	527	6950	9440	9310	13900	8480	2970	3000	3720	1930	844
3	202	356	6950	9180	9030	14500	8360	2510	4000	3770	427	2440
4	188	279	6650	9450	6510	14400	10700	673	4000	1780	2370	2040
5	177	254	6790	9550	6560	10900	11100	1350	4200	430	4710	1470
6	173	243	5900	9320	7320	10500	12200	3000	4000	389	3510	293
7	155	233	6380	9380	10800	10600	7390	6000	2000	2430	2240	254
8	154	229	7050	6800	7310	10500	6760	12900	600	3480	2210	1640
9	156	272	7030	5000	10300	10400	6680	14100	2500	4110	1500	1880
10	150	385	5150	4200	8170	10100	6650	10500	3700	3780	353	292
11	147	299	748	4500	6840	5360	6420	2990	3700	3760	311	242
12	146	261	587	4500	9220	5100	9020	1610	3700	1740	297	463
13	146	252	4490	4000	14900	2360	17000	2950	3700	394	293	709
14	141	241	8480	2000	16900	2400	25600	5050	2500	2350	751	232
15	143	233	8430	800	16500	1150	28000	13100	500	3950	2760	615
16	136	231	7670	500	14900	576	28500	18300	3000	3750	2110	1390
17	141	226	8790	409	14400	1470	28500	28000	1500	3750	351	583
18	148	228	12300	389	14300	2410	28500	31800	1000	3750	1340	1020
19	148	227	5930	376	14300	3000	24600	33700	5500	1720	2740	613
20	148	224	890	363	14300	3440	19500	35300	4000	393	2710	1020
21	132	234	2310	357	14300	5740	17700	35300	2000	2470	2740	230
22	210	1160	4200	4710	14300	5730	17800	35000	2000	3800	2720	1000
23	273	2690	4100	7050	14200	5500	19300	34000	3000	3850	1530	6470
24	209	4270	5100	5100	14300	7250	20900	30800	3800	3790	303	7020
25	1020	4100	4810	4430	14300	7420	20500	26000	3800	3820	1410	6200
26	651	3930	5980	4180	11100	7500	23000	23300	3800	1780	2660	7470
27	243	6720	7840	4180	10300	7620	23400	20700	3750	408	2690	14200
28	205	6920	7930	6760	7450	12400	22200	7550	3820	2560	2010	5520
29	184	6910	7890	7610	7630	11200	17600	5000	1790	3800	2700	3690
30	202	6930	7820	7710	---	12300	5270	4560	2480	3760	2030	2180
31	622	---	7830	8530	---	11200	---	2480	---	3600	326	---
TOTAL	10839	49623	189985	159214	329550	235346	491250	452973	88089	86864	57742	72285
MEAN	350	1654	6129	5136	11360	7592	16380	14610	2936	2802	1863	2410
MAX	3760	6930	12300	9550	16900	14500	28500	35300	5500	4110	4710	14200
MIN	132	224	587	357	6510	576	5270	673	500	389	293	230
AC-FT	21500	98430	376800	315800	653700	466800	974400	898500	174700	172300	114500	143400

CAL YR 1979 TOTAL 3582795 MEAN 9816 MAX 29100 MIN 132 AC-FT 7106000
WTR YR 1980 TOTAL 2223760 MEAN 6076 MAX 35300 MIN 132 AC-FT 4411000

08026000 SABINE RIVER NEAR BURKEVILLE, TX--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1968 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: May 1968 to current year.
WATER TEMPERATURES: May 1968 to current year.

REMARKS.--Data furnished by Texas District. Daily values for the 1980 water year are available from the Texas Report.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE, WATER (DEG C)	COLOR (PLATINUM COBALT UNITS)	TURBIDITY (NTU)	OXYGEN, DISSOLVED (MG/L)	OXYGEN, DISSOLVED (PERCENT SATURATION)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)
OCT 24...	1135	109	6.8	19.0	60	16	8.2	85	2.2	21	5
JAN 17...	1410	138	6.9	15.0	40	5.8	10.6	104	.9	29	9
FEB 27...	1050	141	7.2	10.0	10	3.1	11.8	103	1.1	31	11
MAY 01...	1235	130	6.7	18.5	40	28	7.8	82	1.2	28	5
JUN 26...	1645	164	6.9	26.0	10	2.3	6.7	81	.0	32	14
AUG 28...	1315	160	6.7	--	--	--	6.6	81	.8	31	15

DATE	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM ADSORPTION RATIO	SODIUM+POTASSIUM DISSOLVED (MG/L AS NA)	POTASSIUM, DISSOLVED (MG/L AS K)	BICARBONATE (MG/L AS HCO3)	CARBONATE (MG/L AS CO3)	ALKALINITY (MG/L AS CACO3)	CARBON DIOXIDE DISSOLVED (MG/L AS CO2)
OCT 24...	5.2	2.0	12	61	1.1	15	2.8	20	0	16	5.1
JAN 17...	7.3	2.7	14	48	1.1	16	2.4	25	0	21	5.0
FEB 27...	7.7	2.8	15	49	1.2	18	2.5	24	0	20	2.4
MAY 01...	6.9	2.6	13	48	1.1	--	2.5	28	0	23	8.9
JUN 26...	7.8	3.0	16	50	1.2	--	2.9	22	0	18	4.4
AUG 28...	7.8	2.9	16	50	1.2	--	2.8	20	0	16	6.4

DATE	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	FLUORIDE, DISSOLVED (MG/L AS F)	SILICA, DISSOLVED (MG/L AS SIO2)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L)	SOLIDS, DISSOLVED (TONS PER AC-FT)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)	SOLIDS, NONVOLATILE, SUSPENDED (MG/L)	SOLIDS, VOLATILE, SUSPENDED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)
OCT 24...	12	14	.1	13	71	.10	19	19	0	.01	.02
JAN 17...	16	16	.0	15	86	.12	2	0	2	.12	.01
FEB 27...	16	18	.1	6.4	80	.11	0	0	0	.15	.02
MAY 01...	15	15	.1	12	81	.11	34	21	13	.08	.00
JUN 26...	19	23	.1	6.9	90	.12	0	0	0	.00	.00
AUG 28...	20	25	.1	7.5	92	.13	--	--	--	--	--

08026000 SABINE RIVER NEAR BURKEVILLE, TX--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS NH4)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS NO3)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, TOTAL (MG/L AS PO4)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 24...	.03	.01	.01	.60	.61	.64	2.8	.040	.12	12
JAN 17...	.13	.06	.07	.41	.47	.60	2.7	.040	.12	6.0
FEB 27...	.17	.00	.00	.48	.48	.65	2.9	.010	.03	6.4
MAY 01...	.08	.17	.21	.77	.94	1.0	4.5	.060	.18	7.0
JUN 26...	.00	.05	.06	.95	1.0	1.0	4.4	.020	.06	7.1
AUG 28...	--	--	--	--	--	--	--	--	--	--

DATE	ARSENIC DIS- SOLVED (UG/L AS AS)	BARIUM, DIS- SOLVED (UG/L AS BA)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, DIS- SOLVED (UG/L AS PB)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MERCURY DIS- SOLVED (UG/L AS HG)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	SILVER, DIS- SOLVED (UG/L AS AG)	ZINC, DIS- SOLVED (UG/L AS ZN)
MAY 01...	1	70	<1	0	3	80	55	140	.6	0	0	<3

< Actual value is known to be less than the value shown.

08028000 BAYOU ANACOCO NEAR ROSEPINE, LA

LOCATION.--Lat 30°57'10", long 93°21'10", on line between secs. 25 and 26, T.1 S., R.10 W., Vernon Parish, Hydrologic Unit 12010005, near center of span on downstream side of bridge on parish road from Rosepine to Evans, just downstream from Pocosin Creek, and 4.8 mi (7.7 km) northwest of Rosepine.

DRAINAGE AREA.--365 mi² (945 km²).

PERIOD OF RECORD.--October 1951 to current year.

REVISED RECORDS.--WSP 2122: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 118.09 ft (35.994 m) National Geodetic Vertical Datum of 1929. Prior to Nov. 11, 1954, nonrecording gage at same site and datum.

REMARKS.--Records good. Some effect from storage in Anacoco Lake (usable capacity 41,300 acre-ft or 50.9 hm³) except January 1956 to September 1958 and Vernon Lake (usable capacity 58,000 acre-ft or 71.5 hm³) since May 1963. Occasional regulation July to September in most years caused temporary lowering of the reservoirs upstream. Records of dissolved oxygen and water temperatures for water year 1980 are published under miscellaneous water-quality sites in this report.

AVERAGE DISCHARGE.--29 years, 442 ft³/s (12.52 m³/s), 16.44 in/yr (418 mm/yr), 320,200 acre-ft/yr (395 hm³/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 64,300 ft³/s (1,820 m³/s) May 19, 1953, gage height, 28.38 ft (8.650 m); minimum, 5.5 ft³/s (0.16 m³/s) Sept. 30, 1956.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 14,100 ft³/s (399 m³/s) Apr. 13, gage height, 22.11 ft (6.739 m); minimum discharge, 14 ft³/s (0.40 m³/s) July 17, Sept. 24, gage height, 2.96 ft (0.902 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	122	539	265	407	592	1170	4020	673	252	37	31	457
2	104	373	225	350	707	1350	2770	589	213	32	27	445
3	92	256	198	338	676	939	1780	591	181	28	26	434
4	76	202	168	420	596	690	1460	519	160	26	350	424
5	70	159	155	391	505	625	1050	424	136	23	466	254
6	56	133	152	332	449	544	802	355	118	22	469	78
7	50	115	153	297	410	464	665	304	108	21	468	66
8	47	97	136	284	446	428	570	280	95	20	483	81
9	44	115	128	259	2460	390	478	262	92	19	466	107
10	41	177	117	238	3520	349	393	217	79	19	459	106
11	47	173	113	261	4730	318	338	185	69	18	455	104
12	36	162	581	288	5130	298	4580	167	60	17	459	101
13	35	143	2040	251	3240	275	12600	163	52	16	465	100
14	34	123	2170	228	1770	251	9230	190	48	16	468	100
15	37	113	2000	214	1100	221	4970	238	41	16	477	100
16	32	102	1140	284	893	252	2900	1060	38	15	484	99
17	31	95	833	200	770	1480	1450	2090	36	15	490	96
18	30	89	614	197	641	1740	1270	2510	35	23	497	46
19	30	83	471	186	545	1240	1100	2500	34	31	508	30
20	29	81	389	173	484	1390	884	2420	138	28	575	24
21	28	79	343	171	445	1700	708	2540	247	61	675	21
22	174	736	319	1140	402	1300	575	2590	109	65	741	18
23	394	1790	476	2890	367	952	461	1750	84	102	771	16
24	221	1960	1540	2820	343	915	382	1110	80	55	778	15
25	131	1490	1770	2080	317	869	578	809	84	36	734	24
26	101	929	1330	1150	287	739	2110	621	79	29	538	34
27	83	690	884	960	246	1210	2280	487	70	28	498	23
28	72	544	677	777	227	3050	1980	457	65	53	490	18
29	67	413	566	645	246	4080	1210	357	52	65	484	18
30	65	323	535	549	---	6400	855	330	42	53	477	26
31	312	---	480	527	---	5480	---	294	---	38	471	---
TOTAL	2691	12284	20968	19227	32544	41109	64449	27082	2897	1027	14780	3465
MEAN	86.8	409	676	620	1122	1326	2148	874	96.6	33.1	477	116
MAX	394	1960	2170	2890	5130	6400	12600	2590	252	102	778	457
MIN	28	79	113	171	227	221	338	163	34	15	26	15
AC-FT	5340	24370	41590	38140	64550	81540	127800	53720	5750	2040	29320	6870

CAL YR 1979 TOTAL 233693 MEAN 640 MAX 4050 MIN 18 AC-FT 463500
WTR YR 1980 TOTAL 242523 MEAN 663 MAX 12600 MIN 15 AC-FT 481000

08028000 BAYOU ANACOCO NEAR ROSEPINE, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.94	6.38	4.85	5.72	6.64	9.40	18.96	7.04	4.87	3.25	3.09	5.98
2	3.79	5.50	4.59	5.39	7.21	10.20	15.97	6.63	4.61	3.20	3.04	5.92
3	3.68	4.85	4.42	5.32	7.05	8.35	12.10	6.64	4.40	3.16	3.02	5.86
4	3.54	4.50	4.23	5.79	6.66	7.12	10.69	6.28	4.26	3.13	5.35	5.82
5	3.46	4.20	4.14	5.64	6.21	6.80	8.90	5.81	4.10	3.10	6.06	4.78
6	3.36	4.00	4.13	5.28	5.93	6.40	7.68	5.41	3.96	3.09	6.08	3.59
7	3.31	3.85	4.13	5.05	5.74	6.00	7.00	5.08	3.87	3.08	6.07	3.49
8	3.28	3.70	4.02	4.97	5.91	5.83	6.53	4.92	3.76	3.07	6.14	3.62
9	3.25	3.85	3.95	4.81	14.78	5.64	6.07	4.79	3.73	3.06	6.05	3.84
10	3.22	4.33	3.86	4.68	18.22	5.38	5.65	4.50	3.63	3.05	6.01	3.84
11	3.20	4.30	3.83	4.82	19.64	5.17	5.31	4.28	3.54	3.03	5.99	3.82
12	3.17	4.22	6.34	4.99	19.91	5.04	17.27	4.16	3.46	3.02	6.01	3.79
13	3.16	4.08	13.22	4.76	17.39	4.88	21.84	4.13	3.39	3.01	6.04	3.78
14	3.15	3.92	13.79	4.61	12.05	4.72	21.18	4.31	3.35	3.00	6.06	3.78
15	3.18	3.83	13.02	4.52	9.14	4.52	19.79	4.63	3.29	2.99	6.09	3.78
16	3.13	3.73	9.31	4.46	8.12	4.70	16.32	8.85	3.26	2.98	6.12	3.77
17	3.12	3.67	7.83	4.44	7.52	10.75	10.64	13.39	3.24	2.97	6.15	3.75
18	3.11	3.61	6.75	4.42	6.88	11.90	9.85	15.07	3.23	3.06	6.19	3.30
19	3.11	3.57	6.03	4.34	6.40	9.75	9.12	15.03	3.22	3.14	6.23	3.14
20	3.10	3.54	5.63	4.26	6.10	10.38	8.08	14.71	4.06	3.11	6.56	3.07
21	3.09	3.52	5.34	4.25	5.91	11.75	7.21	15.16	4.83	3.42	7.05	3.04
22	4.14	7.26	5.20	8.91	5.70	10.00	6.55	15.34	3.88	3.45	7.38	3.01
23	5.61	12.13	6.05	16.46	5.50	8.42	5.99	11.96	3.67	3.77	7.53	2.98
24	4.60	12.89	11.05	16.19	5.34	8.23	5.58	9.18	3.64	3.35	7.56	2.97
25	4.01	10.85	12.04	13.32	5.16	8.01	6.51	7.78	3.67	3.17	7.34	3.07
26	3.76	8.30	10.14	9.36	4.96	7.36	13.51	6.87	3.63	3.10	6.37	3.18
27	3.60	7.12	8.08	8.46	4.69	9.52	14.19	6.23	3.55	3.08	6.18	3.06
28	3.50	6.40	7.06	7.55	4.56	16.95	12.93	6.08	3.50	3.33	6.14	3.01
29	3.46	5.75	6.51	6.90	4.68	19.03	9.59	5.54	3.39	3.43	6.11	3.01
30	3.44	5.22	6.36	6.42	---	20.50	7.94	5.37	3.30	3.31	6.08	3.09
31	5.07	---	6.08	6.32	---	20.14	---	5.14	---	3.16	6.05	---
MEAN	3.57	5.44	6.84	6.53	8.41	9.12	10.97	7.75	3.74	3.16	6.00	3.77
MAX	5.61	12.89	13.79	16.46	19.91	20.50	21.84	15.34	4.87	3.77	7.56	5.98
MIN	3.09	3.52	3.83	4.25	4.56	4.52	5.31	4.13	3.22	2.97	3.02	2.97

08028500 SABINE RIVER NEAR BON WIER, TX

LOCATION.--Lat 30°44'49", long 93°36'30", Beauregard Parish, Louisiana-Newton County, Texas State line, Hydrologic Unit 12010005, near left bank at downstream side of bridge on U.S. Highway 190, 0.7 mi (1.1 km) upstream from Quicksand Creek, 0.8 mi (1.3 km) upstream from Gulf, Colorado, and Santa Fe Railway Co. bridge, 2.0 mi (3.2 km) east of Bon Wier, 2.4 mi (3.9 km) upstream from Caney Creek, and at mile 97.7 (157.2 km).

DRAINAGE AREA.--8,229 mi² (21,313 km²).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1923 to current year. Monthly discharge only for some periods, published in WSP 1312. Gage-height records collected in this vicinity since 1913 are contained in reports of the National Weather Service.

REVISED RECORDS.--WSP 1342: 1953. WSP 1442: 1924, 1926-27(M), 1929(M), 1939. WSP 1732: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 43.42 ft (13.234 m) National Geodetic Vertical Datum of 1929. Prior to July 8, 1931, nonrecording gage at site 0.8 mi (1.3 km) downstream at datum 3.00 ft (0.914 m) higher. July 8, 1931, to Oct. 15, 1958, nonrecording gage at present site at datum 3.00 ft (0.914 m) higher. Oct. 16, 1958, to Sept. 30, 1975, water-stage recorder at present site at datum 3.00 ft (0.914 m) higher.

REMARKS.--Water-discharge records fair. Flow regulated by Toledo Bend Reservoir (station 08025350) located 58.8 mi (94.6 km) upstream. Gage-height telemeter at station maintained by the National Weather Service.

AVERAGE DISCHARGE.--43 years (water years 1924-66) prior to completion of Toledo Bend Reservoir, 6,846 ft³/s (193.9 m³/s), 4,960,000 acre-ft/yr (6.12 km³/yr); 14 years (water years 1967-80) regulated, 6,284 ft³/s (178.0 m³/s), 4,553,000 acre-ft/yr (5.61 km³/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 115,000 ft³/s (3,260 m³/s) May 19, 1953, gage height, 28.70 ft (8.748 m); minimum daily, 134 ft³/s (3.79 m³/s) Nov. 9, 1966.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage since at least 1833, 33.5 ft (10.21 m) Apr. 23 or 24, 1913, from information by Gulf, Colorado, and Santa Fe Railway Co. and local residents. Flood in May 1884 reached a stage of 29 ft (8.8 m). Floods occurring about 1844 and 1860 were higher than flood in May 1884, from information by local residents. All flood data referenced to current datum.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 37,000 ft³/s (1,050 m³/s) May 23, gage height, 24.15 ft (7.361 m); minimum daily, 418 ft³/s (11.8 m³/s) Oct. 30.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6840	1980	7220	8090	9800	10700	18500	7240	3320	3060	3930	1140
2	3260	1600	7180	8950	10200	13600	15800	4480	1980	4040	3920	968
3	1090	1300	7090	9390	9800	16300	14100	4990	3630	4030	1790	1830
4	803	1030	7070	9380	9200	16400	12200	3730	4910	4080	859	2710
5	716	866	6710	9630	7600	14900	13500	2390	4970	2000	3160	2650
6	669	767	6950	9630	7600	12700	13800	3310	5470	1000	5460	1780
7	639	702	5790	9290	10200	12200	12600	4280	4180	870	3750	769
8	596	659	6670	9040	10200	12100	9160	8480	2750	2750	2900	614
9	570	656	7060	6480	12100	11900	8400	13800	1440	3830	2860	1960
10	544	818	6990	5120	16500	11700	8160	14600	3350	4190	1940	1750
11	527	949	4240	4840	12800	10100	8050	9490	4340	4010	1190	738
12	517	814	1550	5110	12500	7060	12000	3740	4380	3990	1100	606
13	508	726	4450	5160	15600	5590	21300	3190	4310	1920	1070	724
14	492	675	9140	5040	19800	4070	25000	4100	4300	901	1050	942
15	478	639	10800	2090	19400	3460	29100	8220	2160	2710	1420	590
16	475	611	10200	1420	18200	2340	31300	17100	1170	4030	3430	962
17	469	586	8660	1320	16800	3740	31100	24200	3220	3950	2490	1340
18	462	574	10700	1250	16100	5720	29400	28400	2300	3960	1250	932
19	464	562	10900	1210	15600	5860	28600	31400	1660	3950	2160	1110
20	457	549	5330	1160	15400	6340	25900	33900	5730	1900	3270	932
21	452	544	1940	1130	15200	7680	21900	35400	5170	909	3350	1110
22	526	1130	3410	2150	15300	9460	19700	36400	2810	2830	3430	536
23	938	3950	4810	13000	15300	8560	19200	36700	2780	4090	3460	1080
24	978	6020	6390	11700	15300	8200	20300	35700	4100	4140	2310	6450
25	778	6490	7760	9030	15000	9780	21300	33000	4530	4050	1330	7030
26	1260	5730	6850	7350	14700	9790	23500	28300	4270	4020	2140	6130
27	1080	5830	7660	6040	12200	10400	25200	25200	4210	1920	3160	9120
28	672	7380	8440	5900	10300	17800	25300	20100	4200	1020	3220	12000
29	486	7360	8340	8080	8640	21100	24000	10500	4220	3090	2630	4320
30	418	7250	8230	8440	---	22200	17900	6850	2080	4020	3450	4300
31	1160	---	8150	8200	---	20800	---	5880	---	3920	2500	---
TOTAL	29324	68747	216680	194620	387340	332550	586270	505070	107940	95180	79979	77923
MEAN	946	2292	6990	6278	13360	10730	19540	16290	3598	3070	2580	2597
MAX	6840	7380	10900	13000	19800	22200	31300	36700	5730	4190	5460	12000
MIN	418	544	1550	1130	7600	2340	8050	2390	1170	870	859	536
AC-FT	58160	136400	429800	386000	768300	659600	1163000	1002000	214100	188800	158600	154600

CAL YR 1979 TOTAL 3987454 MEAN 10920 MAX 29600 MIN 418 AC-FT 7909000
WTR YR 1980 TOTAL 2681623 MEAN 7327 MAX 36700 MIN 418 AC-FT 5319000

08028500 SABINE RIVER NEAR BON WEIR, TX--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1970 to current year.

PERIOD OF DAILY RECORD--
SPECIFIC CONDUCTANCE: January 1970 to current year.
WATER TEMPERATURES: January 1970 to current year.

REMARKS.--Data furnished by Texas District. Daily values for the 1980 water year are available from the Texas Report.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	TEMPER-ATURE, WATER (DEG C)	COLOR (PLAT-INUM COBALT UNITS)
OCT				
01...	0820	154	24.0	30
02...	1830	164	24.0	40
03...	1815	173	27.0	15
04...	1810	199	26.0	50
05...	1845	159	24.0	40
06...	1000	164	22.0	40
07...	1155	174	24.0	45
08...	1645	174	24.0	65
09...	0800	158	24.0	60
10...	1818	157	22.0	60
11...	1800	157	24.0	40
12...	1815	160	24.0	40
13...	0950	174	22.0	55
14...	1815	185	24.0	45
15...	1835	213	24.0	45
16...	1750	179	24.0	50
17...	1600	184	24.0	40
18...	1645	181	26.0	50
19...	1830	183	24.0	60
20...	1105	181	25.0	50
21...	0925	175	26.0	40
22...	1030	142	24.0	40
23...	1615	129	22.0	55
24...	1615	108	24.0	80
25...	1700	241	24.0	120
26...	1935	170	20.0	80
27...	0940	167	19.0	90
28...	0740	239	20.0	90
29...	0705	235	22.0	55
30...	1730	207	21.0	90
31...	1645	207	20.0	90
NOV				
01...	1500	253	--	100
02...	1945	203	18.0	100
03...	0900	218	17.0	100
04...	1030	242	17.0	100
05...	1015	259	17.0	100
06...	1520	251	19.0	100
07...	1500	251	18.0	100
08...	0850	245	17.0	100
NOV				
09...	0850	226	19.0	100
10...	1040	208	17.0	80
11...	1010	181	16.0	--
12...	0905	167	14.0	65
13...	0845	183	14.0	70
14...	0900	180	12.0	60
15...	1210	191	10.5	70
16...	0900	195	8.0	70
17...	0950	209	8.0	60
18...	1010	179	8.0	50
19...	0810	184	10.0	55
20...	0800	188	11.0	60
21...	0815	174	13.0	--
22...	1100	148	13.0	5
23...	1945	101	8.0	75
24...	0920	86	7.0	80
25...	1100	117	11.0	--
26...	1705	108	14.0	--
27...	0800	129	16.0	45
28...	1615	147	15.0	25
29...	1300	149	14.0	20
30...	1700	151	13.0	20
DEC				
01...	1040	153	8.0	20
02...	1110	158	12.0	15
03...	1505	158	11.0	20
04...	1630	160	11.0	20
05...	1420	161	12.0	20
06...	1630	158	13.0	15
07...	1620	161	9.0	25
08...	1710	150	8.0	15
09...	0900	158	5.0	20
10...	1715	157	9.0	15
11...	1715	159	10.0	25
12...	1145	159	10.0	30
13...	1130	100	11.0	120
14...	1720	102	9.0	200
15...	1100	116	8.0	50
16...	1130	122	8.0	50
17...	1615	140	8.0	30

08028500 SABINE RIVER NEAR BON WEIR, TX--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

** DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	TEMPERATURE, WATER (DEG C)	COLOR (PLATINUM COBALT UNITS)
DEC				
18...	1430	149	7.0	30
19...	1630	146	7.0	25
20...	1545	137	9.0	30
21...	1430	--	9.0	25
22...	0900	125	9.0	40
23...	0835	139	10.0	20
24...	0950	123	9.0	30
25...	1150	--	8.0	97
26...	1715	96	8.0	60
27...	1440	129	8.0	30
28...	1145	127	8.0	40
29...	1140	132	9.0	30
30...	1210	146	7.0	40
31...	1630	152	8.0	15

00...	1700	136	--	20
JAN				
01...	1340	153	8.0	20
02...	1530	155	7.0	15
03...	1700	155	8.0	20
04...	1745	152	9.0	15
05...	1140	150	7.0	15
06...	1220	151	8.0	20
07...	1230	152	9.0	15
08...	1125	150	7.0	15
09...	1520	141	8.0	20
10...	1120	141	9.0	15
11...	1225	141	10.0	10
12...	1000	142	7.0	30
13...	1250	144	8.0	20
14...	1635	146	10.0	20
15...	1440	147	11.0	30
16...	1345	153	13.0	40
17...	1650	136	16.0	40
18...	1730	129	18.0	30
19...	1300	131	13.0	35
20...	1050	130	12.0	45
21...	1645	126	16.0	40
22...	1415	92	14.5	80
23...	1410	91	12.5	50
24...	1230	77	13.0	80
JAN				
25...	1630	81	11.0	80
26...	1510	85	12.0	80
27...	0930	113	7.0	40
28...	1410	134	12.0	40
29...	1200	134	11.0	20
30...	0940	134	12.0	20
31...	1700	134	10.5	20
FEB				
01...	1620	140	10.0	15
02...	1220	133	--	30
03...	1115	124	5.0	50
04...	1700	144	12.0	15
05...	1640	134	10.0	30
06...	1710	143	10.5	25
07...	1730	148	10.0	10
08...	0815	148	10.0	20
09...	1250	121	--	45
10...	1250	83	--	70
11...	1720	84	9.0	30
12...	1715	91	8.0	40
13...	1720	--	9.0	140
14...	1750	129	6.0	30
15...	1425	137	--	30
16...	1240	138	5.0	25
17...	1000	139	5.0	25
18...	1700	138	9.0	20
19...	1130	139	10.0	20
20...	1640	142	13.0	15
21...	1745	143	13.0	20
22...	1745	148	12.0	30
23...	1025	149	10.0	25
24...	1315	158	8.0	25
25...	1230	151	11.0	20
26...	1800	148	11.0	25
28...	1755	150	12.0	25
28...	1810	150	8.0	30
29...	1715	150	8.0	25
MAR				
01...	1005	137	7.0	20
02...	1100	128	5.0	25
03...	1455	139	10.0	20

08028500 SABINE RIVER NEAR BON WEIR, TX--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	TEMPERATURE, WATER (DEG C)	COLOR (PLATINUM COBALT UNITS)
MAR				
04...	--	144	9.5	20
05...	1720	143	12.0	20
06...	1945	146	7.0	15
07...	1630	150	7.0	20
08...	0830	149	7.0	15
09...	1035	151	7.0	20
10...	1830	145	7.0	20
11...	1300	145	--	10
12...	1630	138	--	20
13...	1700	136	--	20
14...	1645	143	--	20
15...	1015	148	--	20
16...	1100	146	10.0	20
17...	1245	150	10.0	50
18...	0910	--	9.0	80
19...	2010	109	10.0	40
20...	1700	112	10.0	40
21...	1820	99	--	50
22...	1140	112	--	45
23...	1130	119	--	40
24...	0605	128	--	30
25...	1830	132	--	20
26...	1800	135	--	20
27...	1625	117	--	50
28...	1805	89	--	50
29...	1150	87	--	50
30...	1100	88	15.0	50
31...	1550	91	15.0	60
APR				
01...	1805	93	16.0	60
02...	1650	87	18.0	60
03...	1600	120	18.0	30
04...	1720	127	18.0	20
05...	0900	131	18.0	25
06...	0905	131	19.0	--
06...	1545	135	19.0	30
07...	1545	--	19.0	--
08...	1700	135	20.0	20
09...	1630	138	20.0	20
10...	1530	140	22.0	10

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	TEMPERATURE, WATER (DEG C)	COLOR (PLATINUM COBALT UNITS)
APR				
11...	0920	140	21.0	20
12...	0940	136	19.0	20
13...	1000	--	18.0	60
14...	1330	106	19.0	40
15...	1700	109	21.0	50
16...	1830	118	18.0	20
17...	1120	125	20.0	30
18...	1635	134	19.0	20
19...	0900	136	17.0	20
20...	0755	131	18.0	20
21...	1730	138	20.0	15
22...	1510	142	20.0	20
23...	1630	146	20.0	10
24...	1600	144	20.0	5
25...	1610	143	20.0	80
26...	1005	135	18.0	30
27...	1215	127	20.5	30
28...	1630	143	20.5	20
29...	1700	143	21.0	30
30...	1600	142	20.0	30
MAY				
01...	0930	148	21.0	30
02...	0700	127	23.0	50
03...	1000	182	23.0	10
04...	1155	149	22.0	30
05...	1800	159	24.0	40
06...	1630	137	23.0	25
07...	1730	155	24.0	15
08...	1800	160	22.0	15
09...	2005	157	22.0	10
10...	0900	161	22.0	5
12...	1630	156	24.0	15
13...	1530	149	25.0	20
14...	1425	130	22.0	15
15...	1630	154	21.0	5
16...	1740	136	22.0	30
17...	0940	130	22.0	10
18...	1050	139	22.0	25
19...	1400	146	22.0	15
20...	0815	146	22.0	25

08028500 SABINE RIVER NEAR BON WEIR, TX--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	TEMPER-ATURE, WATER (DEG C)	COLOR (PLAT-INUM COBALT UNITS)
MAY				
21...	1520	144	22.0	30
22...	1010	152	23.0	30
23...	1920	149	--	15
24...	1245	152	26.0	15
25...	1320	151	26.0	10
26...	1450	153	26.0	20
27...	1710	157	26.0	10
28...	1240	154	26.0	15
29...	2000	141	26.0	30
30...	1900	115	27.0	40
31...	1330	161	27.0	25
JUN				
01...	1300	160	28.0	--
07...	0900	175	27.0	--
14...	0835	175	27.0	--
21...	1155	162	25.0	--
JUL				
01...	1025	168	31.0	--
14...	1800	175	33.0	--
21...	1700	173	30.0	--
AUG				
07...	1650	182	29.0	--
14...	1830	288	30.0	--
21...	1915	179	29.0	--
28...	1820	169	28.0	--

DATE	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	IODIDE, DIS-SOLVED (MG/L AS I)
OCT			
07...	21	22	--
14...	19	21	--
21...	21	20	--
28...	39	28	--
NOV			
07...	41	23	--
14...	24	20	--
21...	23	19	--
28...	16	19	--
DEC			
07...	20	20	--
14...	14	12	--
21...	21	15	--
28...	14	17	--
JAN			
07...	16	18	--
14...	15	16	--
21...	12	10	--
28...	13	12	--
FEB			
01...	14	18	--
07...	15	18	--
21...	16	17	--
MAR			
07...	16	17	--
14...	15	16	--
20...	--	--	.04
21...	12	11	--
28...	9.3	10	--
APR			
01...	14	11	--
07...	14	15	--
14...	12	12	--
21...	15	16	--
MAY			
07...	18	19	--
14...	16	15	--
21...	18	19	--
28...	19	21	--
JUN			
01...	19	20	--
07...	22	23	--
14...	23	24	--
21...	20	22	--
JUL			
01...	21	23	--
14...	22	26	--
21...	23	26	--
AUG			
07...	26	25	--
14...	62	28	--
21...	27	27	--
28...	24	24	--

08028700 HOOSIER CREEK NEAR MERRYVILLE, LA

LOCATION.--Lat 30°43'32", long 93°33'36", in SE¼ sec.11, T.4 S., R.12 W., Beauregard Parish, Hydrologic Unit 12010005, near right bank on downstream side of bridge on State Highway 389, 2.0 mi (3.2 km) upstream from Pullem Branch, and 2.0 mi (3.2 km) south of Merryville.

DRAINAGE AREA.--13.1 mi^2 (33.9 km^2).

PERIOD OF RECORD.--October 1955 to current year.

REVISED RECORDS.--WSP 1732: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 60.53 ft (18.450 m) National Geodetic Vertical Datum of 1929.

REMARKS.--Records good. Records of dissolved oxygen and water temperatures for water year 1980 are published under miscellaneous water-quality sites in this report.

AVERAGE DISCHARGE.--25 years, 14.2 ft^3/s (0.402 m^3/s), 14.72 in/yr (374 mm/yr), 10,290 acre-ft/yr (12.7 hm^3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 3,550 ft^3/s (101 m^3/s), revised, Mar. 24, 1973, gage height, 12.86 ft (3.920 m) from rating curve extended above 720 ft^3/s (20.4 m^3/s); minimum, 0.80 ft^3/s (0.023 m^3/s) Sept. 14, 15, 16, 17, 18, 19, 1965.

EXTREMES FOR CURRENT YEAR.--Peak discharge above base of 400 ft^3/s (11 m^3/s) and maximum (*):

Date	Time	Discharge (ft^3/s)	Discharge (m^3/s)	Gage height (ft)	Gage height (m)
Jan. 22	2045	723	20.5	9.33	2.844
Feb. 9	1200	471	13.3	7.98	2.432
Mar. 29	1815	679	19.2	9.13	2.783
Apr. 12	1715	487	13.8	8.08	2.463
May 16	0900	*1810	51.4	*10.62	3.237

Minimum discharge, 1.9 ft^3/s (0.054 m^3/s) Sept. 20, 21-24, 25; minimum gage height, 0.48 ft (0.146 m) Sept. 11.

REVISIONS.--Revised daily discharge, in cubic feet per second, for Mar. 24, 1973 is 1,200 ft^3/s, superseding figure published in WRD LA-1973.

	TOTAL	MEAN	MAX	MIN	CFSM	IN.	AC-FT
March 1973...............	1857	59.9	1200	6.5	4.57	5.27	3680
Water year 1973..........	9588.8	26.3	1200	1.8	2.01	27.22	19020
Calendar year 1973......	10633.1	29.1	1200	4.4	2.22	30.19	21090

Peak discharges and annual maximum (*) for some water years have been revised as shown in the following table. They supersede figures published in the water-supply papers and water-data publications indicated.

Publication	Water year	Date	Time	Discharge (ft^3/s)	Discharge (m^3/s)	Gage height (ft)	Gage height (m)
WSP 1512, 1732	1957	Dec. 22, 1956	0430	*1090	30.8	*10.23	3.124
Do........	1957	Mar. 12, 1957	0430	1010	28.6	10.12	3.085
WSP 1562, 1732	1958	Nov. 14, 1957	0200	990	28.0	10.08	3.072
Do........	1958	Sept. 21, 1958	0500	*1520	43.0	*10.86	3.310
WSP 1920......	1961	Feb. 17, 1961	0830	*1200	34.0	*10.43	3.179
Do........	1964	Apr. 18, 1964	0730	893	25.3	9.87	3.008
WSP 2120......	1967	Nov. 11, 1966	1845	1070	30.3	10.22	3.115
Do........	1967	Apr. 14, 1967	0145	*1690	47.9	*11.07	3.374
WRD LA-1973...	1973	Mar. 24, 1973	1630	*3550	101	*12.86	3.920
Do........	1973	May 7......	1715	960	27.2	10.02	3.054
WRD LA-1974...	1974	Jan. 19, 1974	1930	* 985	27.9	*10.07	3.069
WDR LA-75-1...	1975	May 30, 1975	0030	* 946	26.8	* 9.99	3.045

NOTE.--Not all supplemental peak discharges in some of the above years warranted revising.

08028700 HOOSIER CREEK NEAR MERRYVILLE, LA--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.4	18	4.5	5.5	14	24	25	6.5	5.7	3.5	2.8	2.2
2	3.3	5.8	4.5	4.9	9.1	29	25	8.0	5.3	3.3	2.6	2.2
3	3.1	4.1	4.4	4.8	8.3	13	57	6.7	5.0	3.2	2.5	2.1
4	3.0	3.8	4.3	6.2	7.6	9.8	31	5.8	4.6	3.2	2.5	2.1
5	2.9	3.5	4.2	5.6	7.0	10	18	5.2	4.4	3.2	2.5	2.1
6	2.8	3.4	4.3	4.8	6.8	9.5	14	4.8	4.3	3.2	2.5	2.2
7	2.8	3.3	4.5	4.5	6.3	8.9	13	4.6	4.1	3.2	2.6	2.3
8	2.8	3.3	4.2	4.7	11	9.9	13	6.3	4.0	3.2	2.6	2.2
9	2.8	3.5	3.9	5.1	277	8.7	12	5.5	3.9	3.1	2.5	2.1
10	2.8	5.3	3.7	5.0	125	7.5	9.4	4.6	3.9	3.1	2.5	2.1
11	2.7	4.5	3.5	25	35	6.7	8.4	4.2	3.8	3.0	2.4	2.0
12	2.7	3.7	13	26	23	6.9	199	4.0	3.4	3.0	2.4	2.1
13	2.7	3.4	80	9.1	18	6.6	166	5.5	3.3	3.0	2.3	2.0
14	2.7	3.3	43	6.2	15	5.6	99	26	3.2	2.9	2.3	2.0
15	2.7	3.2	18	5.1	14	5.2	30	31	3.1	2.8	2.3	2.0
16	2.6	3.2	9.7	4.7	16	6.4	19	664	3.1	2.8	2.4	2.0
17	2.7	3.1	7.1	4.5	18	40	15	468	3.0	2.6	2.4	2.0
18	2.7	3.2	5.5	4.6	14	35	49	69	3.0	3.0	2.3	2.0
19	2.7	3.2	4.9	4.2	12	15	26	41	3.0	4.4	2.3	2.0
20	2.7	3.3	4.7	3.8	11	24	15	57	6.7	4.0	2.2	1.9
21	2.7	3.4	4.5	4.0	10	59	11	27	22	3.2	2.2	1.9
22	4.6	24	4.7	196	9.6	22	9.3	37	7.1	3.2	2.2	1.9
23	9.5	77	8.5	263	8.8	13	8.3	24	20	3.6	2.2	1.9
24	4.4	35	37	39	8.2	33	7.7	15	7.7	3.2	2.1	1.9
25	3.4	11	23	21	7.6	23	9.4	12	4.3	2.9	2.1	1.9
26	3.1	8.1	9.2	17	6.8	17	25	9.3	3.9	2.8	2.1	2.1
27	2.9	6.5	6.6	14	6.4	81	14	10	3.7	2.8	2.2	2.4
28	2.9	5.6	5.6	11	6.4	316	9.2	13	3.6	3.6	2.3	2.1
29	3.0	5.0	5.9	9.7	6.6	306	7.5	9.4	3.5	7.0	2.2	2.0
30	3.5	4.6	7.9	9.0	---	227	6.6	7.1	3.4	3.8	2.3	2.1
31	29	---	6.8	15	---	43	---	6.2	---	3.0	2.3	---
TOTAL	125.6	268.3	351.6	743.0	718.5	1421.7	951.8	1597.7	160.0	102.8	73.1	61.8
MEAN	4.05	8.94	11.3	24.0	24.8	45.9	31.7	51.5	5.33	3.32	2.36	2.06
MAX	29	77	80	263	277	316	199	664	22	7.0	2.8	2.4
MIN	2.6	3.1	3.5	3.8	6.3	5.2	6.6	4.0	3.0	2.6	2.1	1.9
AC-FT	249	532	697	1470	1430	2820	1890	3170	317	204	145	123

CAL YR 1979 TOTAL 7039.1 MEAN 19.3 MAX 390 MIN 2.2 AC-FT 13960
WTR YR 1980 TOTAL 6575.9 MEAN 18.0 MAX 664 MIN 1.9 AC-FT 13040

08028700 HOOSIER CREEK NEAR MERRYVILLE, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.79	1.60	.97	1.06	1.47	1.79	1.88	1.01	1.02	.76	.66	.56
2	.77	.98	.97	1.00	1.26	2.03	1.86	1.10	.99	.74	.63	.55
3	.75	.84	.96	1.00	1.22	1.31	3.14	1.02	.97	.72	.61	.55
4	.73	.80	.95	1.11	1.18	1.18	2.11	.96	.93	.71	.61	.54
5	.72	.76	.94	1.06	1.14	1.20	1.56	.91	.91	.70	.61	.55
6	.70	.75	.95	.99	1.13	1.17	1.39	.87	.90	.70	.61	.56
7	.70	.73	.97	.97	1.10	1.14	1.36	.86	.88	.70	.63	.59
8	.70	.73	.94	.99	1.31	1.19	1.37	.99	.87	.69	.62	.57
9	.71	.76	.91	1.02	6.27	1.13	1.28	.93	.86	.69	.61	.56
10	.70	.94	.88	1.02	4.65	1.06	1.17	.85	.86	.68	.61	.55
11	.69	.87	.86	1.95	2.29	1.01	1.12	.82	.85	.68	.60	.52
12	.69	.79	1.35	2.02	1.76	1.02	4.80	.80	.80	.67	.60	.54
13	.69	.75	3.87	1.27	1.54	1.00	5.51	.90	[illegible]	.67	.58	.53
14	.68	.73	2.68	1.10	1.43	.94	4.13	1.90	.77	.66	.57	.52
15	.68	.72	1.67	1.02	1.40	.90	2.07	2.11	.76	.66	.57	.53
16	.67	.72	1.31	.99	1.48	.98	1.61	7.75	.75	.65	.59	.52
17	.68	.71	1.16	.97	1.55	2.49	1.44	7.55	.75	.62	.59	.52
18	.68	.72	1.06	.98	1.38	2.27	2.81	3.46	.75	.67	.58	.52
19	.68	.72	1.00	.94	1.29	1.44	1.92	2.57	.74	.84	.57	.52
20	.68	.73	.98	.90	1.25	1.84	1.42	3.15	.98	.80	.56	.51
21	.68	.75	.97	.92	1.22	3.23	1.26	2.01	1.78	.71	.56	.51
22	.88	1.82	.99	4.18	1.17	1.75	1.17	2.42	1.09	.71	.54	.50
23	1.23	3.81	1.20	6.10	1.14	1.32	1.11	1.87	1.65	.76	.54	.50
24	.89	2.34	2.46	2.52	1.10	2.19	1.08	1.51	1.12	.71	.54	.51
25	.78	1.38	1.88	1.80	1.07	1.79	1.17	1.35	.88	.66	.53	.52
26	.73	1.23	1.28	1.63	1.02	1.52	1.88	1.24	.83	.65	.53	.56
27	.71	1.12	1.13	1.50	.99	3.51	1.40	1.28	.80	.65	.55	.63
28	.71	1.06	1.07	1.36	.99	6.85	1.17	1.40	.79	.76	.57	.56
29	.71	1.01	1.08	1.29	1.01	6.39	1.07	1.24	.77	1.05	.56	.54
30	.76	.98	1.21	1.25	---	5.81	1.01	1.12	.76	.79	.59	.57
31	2.09	---	1.15	1.54	---	2.60	---	1.06	---	.69	.57	---
MEAN	.78	1.06	1.28	1.50	1.58	2.07	1.88	1.84	.92	.71	.58	.54
MAX	2.09	3.81	3.87	6.10	6.27	6.85	5.51	7.75	1.78	1.05	.66	.63
MIN	.67	.71	.86	.90	.99	.90	1.01	.80	.74	.62	.53	.50

As the number of streams on which streamflow information is likely to be desired far exceeds the number of stream-gaging stations feasible to operate at one time, the Geological Survey collects limited streamflow data at sites other than at stream-gaging stations. When limited streamflow data are collected on a systematic basis over a period of years for use in hydrologic analyses, the site at which the data are collected is called a partial-record station. Data collected at these partial-record stations are usable in low-flow or floodflow analyses, depending on the type of data collected. In addition, discharge measurements are made at other sites not included in the partial-record program. These measurements are generally made in times of drought or flood to give better areal coverage to those events. Those measurements and others collected for some special reason are called measurements at miscellaneous sites.

Records collected at partial-record stations are presented in three tables. The first is a table of discharge measurements at low-flow partial-record stations, the second is a table of annual maximum stage and discharge at crest-stage stations, and the third is a table of peak elevation at flood-profile stations. Discharge measurements made at miscellaneous sites for both low flow and high flow are given in a fourth table.

LOW-FLOW PARTIAL-RECORD STATIONS

Measurements of streamflow in the area covered by this report made at low-flow partial-record stations are given in the following table. These measurements were made during periods of base flow when streamflow is primarily from ground-water storage. These measurements, when correlated with the simultaneous discharge of a nearby stream when continuous records are available, will give a picture of the low-flow potentiality of a stream. The column head "Period of record" shows the water years in which measurements were made at the same, or practically the same, site.

DISCHARGE MEASUREMENTS MADE AT LOW-FLOW PARTIAL-RECORD STATIONS DURING WATER YEAR 1980

Station No.	Station name	Location	Drainage area (mi^2)	Period of record	Measurements	
					Date	Discharge (ft^3/s)
		Red River basin				
07344460	Shettleworth Bayou near Blanchard, LA	Lat 32°34'00", long 93°56'25", Caddo Parish, at bridge on unnumbered parish road, 2.8 mi (4.5 km) southwest of Blanchard.	9.8	1963-68, 1980	6-17-80	0.12
07348100	McCain Creek near Shreveport, LA	Lat 32°35'50", long 93°50'00", Caddo Parish, at bridge on State Highway 1, 7.6 mi (12.2 km) northwest of Shreveport Post Office.	13.8	1963-68, 1980	6-17-80	.13
07348900	Brushy Creek near Hortman, LA	Lat 32°41'40", long 93°22'40", Webster Parish, at bridge on State Highway 7, 2.4 mi (3.8 km) south of Hortman.	16.1	1963-67, 1980	6-17-80	.03
07349460	Martin Creek near Springhill, LA	Lat 32°59'12", long 93°33'25", Webster Parish, at bridge on State Highway 157, 5.5 mi (8.8 km) southwest of Springhill.	80.6	1963-67,	6-17-80 1980	1.24
07349796	Caney Creek near Benton, LA	Lat 32°45'45", long 93°40'15", Bossier Parish, on unnumbered parish road, 6.0 mi (9.6 km) northeast of Benton.	31.9	1963-67, 1980	6-17-80	.03
07349840	Black Bayou at Benton, LA	Lat 32°41'40", long 93°43'40", Bossier Parish, on State Highway 162, 0.3 mi (0.5 km) east of Benton.	17.2	1955-62, 1980	6-17-80	.00
07352730	Antoine Creek near Ashland, LA	Lat 32°05'50", long 93°06'10", Natchitoches Parish, at bridge on State Highway 153, 3.0 mi (4.8 km) south of Ashland.	17.7	1963-67, 1980	6-17-80	.36
07352870	Bryant Bayou near Compti, LA	Lat 31°58'10", long 93°00'25", Natchitoches Parish, at bridge on State Highway 156,	7.6	1963-67, 1980	6-17-80	.13
07364106	Bayou de Butte near Bastrop, LA	Lat 32°51'40", long 91°59'20", Morehouse Parish, at bridge on unnumbered parish road, 7.2 mi (11.5 km) northwest of Bastrop.	17	1964-67, 1980	6-17-80	1.96
07364870	Sugar Creek near Arcadia, LA	Lat 32°41'20", long 92°51'30", Lincoln Parish, at bridge on State Highway 146, 10.3 mi (16.5 km) northeast of Arcadia.	47	1963-67, 1980	6-17-80	1.21
07369300	Deer Creek near Wisner, LA	Lat 31°57'00", long 91°39'15", Catahoula Parish, at bridge on State Highway 15, 2.0 mi (3.2 km) south of Wisner.	27.1	1955-64, 1980	6-18-80	.00
07370650	Flat Creek near Sikes, LA	Lat 32°04'45", long 92°27'50", Winn Parish, at bridge on State Highway 126, 1.5 mi (2.4 km) east of Sikes.	41.5	1954-69, 1980	6-18-80	1.96
07371520	Muddy Creek near Jonesboro, LA	Lat 32°12'20", long 92°49'15", Bienville Parish, at bridge on unnumbered parish road, 6.6 mi (10.6 km) southwest of Jonesboro.	17	1963-69, 1980	6-17-80	.00

DISCHARGE MEASUREMENTS MADE AT LOW-FLOW PARTIAL-RECORD STATIONS DURING WATER YEAR 1980--Continued

Station No.	Station name	Location	Drainage area (mi^2)	Period of record	Measurements	
					Date	Discharge (ft^3/s)
		Red River basin--Continued				
07371950	Kyiaies Creek near Winnfield, LA	Lat 31°57'15", long 92°41'30", Winn Parish, at bridge on State Highway 156, 4.0 mi (6.4 km) northwest of Winnfield.	24	1963-65, 1980	6-17-80	0.28
07372130	Sandy Creek near Joyce, LA	Lat 31°53'50", long 92°29'30", Winn Parish, at bridge on U.S. Highway 84, 6.9 mi (11.1 km) southeast of Joyce.	7.0	1963-66, 1980	6-18-80	.75
		Calcasieu River basin				
08015600	Barnes Creek near Reeves, LA	Lat 30°31'00", long 93°08'28", Beauregard Parish, at bridge on U.S. Highway 190, and 5.5 mi (8.8 km) west of Reeves.	111	1949-65a, 1957-63, 1969,1978, 1980	6-17-80	2.19
08015700	Clear Creek at Reeves, LA	Lat 30°31'10". long 93°03'10", Allen Parish, at bridge on U.S. Highway 190, and 0.4 mi (0.6 km) west of Reeves.	23.1	1939, 1949-65a, 1955-63, 1978,1980	6-17-80	1.27
		Sabine River basin				
08023375	Bayou San Patricio at Oxford, LA	Lat 31°55'47", long 93°38'18", De Soto Parish, at bridge on unnumbered parish road, 1.0 (1.6 km) northwest of Oxford.	(†)	1978-80	5-30-79b 8-14-79 4-12-80 4-14-80 4-16-80 5-16-80 6-18-80	54.5 c.01 3,890 484 76.1 1,580 d.10
08025150	Negreet Creek at Negreet, LA	Lat 31°27'56", long 93°34'40", Sabine Parish, at bridge on State Highway 191, 0.4 mi mi (0.6 km) southwest of Negreet.	(†)	1978-80	6-18-80	1.42

† Not determined.
a Operated as a crest-stage partial-record station.
b Not previously published.
c Base flow; not previously published.
d Base flow.

The following table contains annual maximum discharges for crest-stage stations. A crest-stage gage is a device which will register the peak stage occurring between inspections of the gage. A stage-discharge relation for each gage is developed from discharge measurements made by indirect measurements of peak flow or by current meter. The date of the maximum discharge is not always certain but is usually determined by comparison with nearby continuous-record stations, weather records, or local inquiry. Only the maximum discharge for each water year is given. Information on some lower floods may have been obtained, and discharge measurements may have been made for purposes of establishing the stage-discharge relation but these are not published herein. The years given in the period of record represent water years for which the annual maximum has been determined.

ANNUAL MAXIMUM DISCHARGE AT CREST-STAGE PARTIAL-RECORD STATIONS DURING WATER YEAR 1980

					Annual maximum		
Station No.	Station name	Location	Drainage area (mi^2)	Period of record	Date	Gage height (feet)	Discharge (ft^3/s)
		Red River basin					
07346950	Kelly Bayou near Ida, LA.	Lat 33°00'05", long 93°51'55", Caddo Parish, at bridge on State Highway 168, and 1.8 mi (2.9 km) east of Ida.	*73	1969-80	5-16-80	40.39	1,050
07348100	McCain Creek near Shreveport, LA.	Lat 32°35'50", long 93°50'00", Caddo Parish, at bridge on State Highway 1, and 7.0 mi (11.3 km) northwest of Shreveport.	13.8	1954-68, 1974-80	1980	<40.48	(†)
07348725	Indian Creek at Shongaloo, LA.	Lat 32°55'55", long 93°17'30", Webster Parish, at bridge on State Highway 535, and 0.8 (1.3 km) southeast of Shongaloo.	33.1	1966-80	4-13-80	42.58	(†)
07348760	Black Bayou at Leton, LA.	Lat 32°51'10", long 93°15'05", Webster Parish, at bridge on State Highway 159, 0.5 mi (0.8 km) south of Leton.	49.8	1954-68, 1974-80	4-13-80	45.30	1,170
07350990	Boggy Bayou at Woolworth Road, near Keithville, LA.	Lat 32°22'35", long 93°54'00", Caddo Parish, at bridge 4.8 mi (7.7 km) northwest of Keithville.	41.3	1963-80	5-17-80	41.57	2,450
07351205	Brush Bayou tributary No. 2, at Shreveport, LA.	Lat 32°26'30", long 93°48'05", Caddo Parish, at culvert on 70th Street, 5.8 mi (9.3 km) southwest of Shreveport Post Office.	3.68	1967-70, 1973-80	1-22-80	8.96	(†)
07351300	Brush Bayou near Shreveport, LA	Lat 32°23'25", long 93°46'15", Caddo Parish, at bridge on State Highway 526, and 2.5 mi (4.0 km) south of Shreveport.	27.1	1960-80	1980	b <158.54	(†)
07351500	Cypress Bayou near Keithville, LA.	Lat 32°18'00", long 93°49'40", Caddo Parish, at bridge on State Highway 175, and 2.0 mi (3.2 km) south of Keithville.	*66	1939-57‡, 1958-80	1-23-80	11.72	9,820
07351670	Rambin Bayou near Frierson, LA.	Lat 32°13'25", long 93°42'15", De Soto Parish, at bridge on State Highway 175, and 1.5 mi (2.4 km) south of Frierson.	59.6	1966-80	4-13-80	12.98	(†).
07351700	Bayou Na Bonchasse near Mansfield, LA.	Lat 32°06'05", long 93°41'45", De Soto Parish, at bridge on State Highway 175, and 4.2 mi (6.8 km) north of Mansfield.	19.5	1958-68‡, 1969-80	4-13-80	12.35	1,630
07351980	Saline Bayou near Bienville, LA.	Lat 32°24'10", long 92°56'45", Bienville Parish, at bridge on parish road 1.0 mi (1.6 km) upstream from Bear Creek, and 4.0 mi (6.4 km) northeast of Bienville.	54.9	1966-80	4-13-80	44.31	1,660
07352200	Black Lake Bayou near Minden, LA.	Lat 32°34'50", long 93°10'55", on Bienville-Webster Parish line, at bridge on U.S. Highway 80, and 7.0 mi (11.3 km) southeast of Minden.	38.6	1951-68, 1974-80	4-13-80	14.99	790
07352295	Black Lake Creek at Gibsland, LA.	Lat 32°33'15", long 93°03'05", Bienville Parish, at bridge on State Highway 154, and 0.6 mi (1.0 km) north of Gibsland.	44.8	1968-80	4-13-80	46.52	(†)
07352400	Kepler Creek at Sparta, LA.	Lat 32°22'05", long 93°05'35", Bienville Parish, at bridge on State Highway 507, 0.8 mi (1.3 km) west of Sparta.	1.1	1954-68, 1974-80	1-22-80	43.40	1,650
07352500	Black Lake Bayou near Castor, LA.	Lat 32°15'40", long 93°12'50", Bienville Parish, at bridge on State Highway 4, and 2.8 mi (4.5 km) northwest of Castor.	423	1941-57‡, 1958-80	4-13-80	10.39	4,410
07352730	Antoine Creek near Ashland, LA.	Lat 32°05'50", long 93°06'10", Natchitoches Parish, at bridge on State Highway 153, and 3.0 mi (4.8 km) south of Ashland.	17.7	1964-80	5-16-80	43.55	(†)

See footnotes at end of the table.

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

ANNUAL MAXIMUM DISCHARGE AT CREST-STAGE PARTIAL-RECORD STATIONS DURING WATER YEAR 1980--Continued

Station No.	Station name	Location	Drainage area (mi²)	Period of record	Annual maximum		
					Date	Gage height (feet)	Discharge (ft³/s)
		Red River basin--Continued					
07353780	Sibley Lake tributary near Natchitoches, LA.	Lat 31°46'50", long 93°07'20", Natchitoches Parish, at culvert on State Highway 1, 2.4 mi (3.9 km) west of intersection of State Highways 1 and 6, in Natchitoches.	0.65	1975-80	5- 6-75a 6-18-76a 3- 4-77a 12-14-78a 9-20-79a 4-12-80	9.32 9.49 7.73 6.97 9.72 8.51	250 260 155 110 280 200
07353990	Kisatchie Bayou at Kisatchie, LA.	Lat 31°25'20", long 93°10'14", Natchitoches Parish, at bridge on State Highway 117, and 0.6 mi (1.0 km) north of Kisatchie.	37.3	1966-80	3-28-80	21.75	2,400
07354420	Bayou Provencal tributary near Provencal, LA.	Lat 31°37'30", long 93°11'40", Natchitoches Parish, at culvert on State Highway 117, 1.2 mi (1.9 km) upstream from mouth, and 1.9 mi (3.1 km) south of Provencal.	.82	1977-80	8-19-77a 2-13-78a 2-24-79a 12-12-79	10.96 9.50 12.26 10.93	281 143 452 279
07355456	Williamson Branch at Gardner, LA.	Lat 31°16'20", long 92°41'15", Rapides Parish, at culvert on State Highway 28, 0.5 mi (0.8 km) northeast of Gardner, and 1.8 (2.9 km) upstream from mouth.	.57	1977-80	5- 2-77a 1-24-78a 9-21-79a 4-12-80	10.83 10.46 13.63 12.34	58 120 470 270
07355618	Slash Bayou tributary at Holloway, LA.	Lat 31°23'40", long 92°13'30", Rapides Parish, at culvert on State Highway 28, 0.4 mi (0.6 km) northeast of Holloway.	.22	1977-80	3- 3-77a 6- 8-78a 9-21-79a 4-12-80	12.82 12.52 13.09 12.90	129 82 200 148
07364740	Bayou de Loutre near Farmerville, LA.	Lat 32°52'25", long 92°23'40", Union Parish, at bridge on State Highway 549, and 7.0 mi (11.3 km) north of Farmerville.	241	1966-80	4-13-80	43.35	2,200
07364800	Bayou D'Arbonne at Homer, LA.	Lat 32°48'30", long 93°03'20", Claiborne Parish, at bridge on U.S. Highway 79, and 0.2 mi (0.3 km) north of Homer.	*30	1954-68, 1974-80	4-13-80	45.63	980
07364870	Sugar Creek near Arcadia, LA.	Lat 32°41'20", long 92°51'30", Claiborne-Lincoln Parish line, at bridge on State Highway 146, and 10.3 mi (16.6 km) northeast of Arcadia.	*47	1966-80	1-22-80	45.17	2,950
07365300	Middle Fork Bayou D'Arbonne near Colquitt, LA.	Lat 32°55'40", long 92°59'40", Claiborne Parish, at bridge on State Highway 520, and 2.0 mi (3.2 km) southwest of Colquitt.	43.9	1954-68, 1974-80	4-13-80	44.58	850
07366000	Corney Bayou near Lillie, LA.	Lat 32°53'15", long 92°39'25", Union Parish, at bridge on U.S. Highway 167, and 3.0 mi (4.8 km) south of Lillie.	462	1941-57‡, 1958-80	4-13-80	15.08	6,300
07366350	Stowe Creek near Farmerville, LA.	Lat 32°40'20", long 92°28'20", Union Parish, at bridge on State Highway 151, and 8.0 mi (12.9 km) southwest of Farmerville.	*29	1954-68, 1974-80	4-14-80	46.11	2,120
07366420	Bayou Choudrant near Calhoun, LA.	Lat 32°32'30", long 92°22'45", Ouachita Parish, at bridge on State Highway 151, and 2.5 mi (4.0 km) northwest of Calhoun.	113	1966-80	4-14-80	43.24	5,000
07367300	North Cheniere Creek at Cheniere, LA.	Lat 32°29'35", long 92°15'40", Ouachita Parish, at bridge on State Highway 546, 1.0 mi (1.6 km) southwest of Cheniere.	*38	1954-68, 1974-80	5-16-80	42.99	1,070
07367600	Cypress Creek near Vixen, LA.	Lat 32°17'20", long 92°14'45", Ouachita Parish, at bridge on State Highway 557, and 4.1 mi (6.6 km) northeast of Vixen.	*16	1954-68, 1974-80	5-16-80	47.14	(†)
07370530	Black Bayou at Kelly, LA.	Lat 31°58'20", long 92°10'00", Caldwell Parish, at bridge on U.S. Highway 165, and 0.9 mi (1.4 km) southeast of Kelly.	51.9	1966-80	4-12-80	39.40	2,2[illegible]
07370575	Caney Creek near Chatham, LA.	Lat 32°13'00", long 92°29'10", Jackson Parish, at bridge on State Highway 34, and 6.5 mi (10.5 km) southwest of Chatham.	46.8	1966-80	6-17-80	43.74	(†)
07370600	Beaucoup Creek near Cotton Plant, LA.	Lat 32°06'40", long 92°19'20", Winn Parish, at bridge on State Highway 126, and 3.3 mi (5.3 km) west of Cotton Plant.	127	1951-68, 1974-80	5-16-80	10.75	3,730

See footnotes at end of the table.

ANNUAL MAXIMUM DISCHARGE AT CREST-STAGE PARTIAL-RECORD STATIONS DURING WATER YEAR 1980--Continued

					Annual maximum		
Station No.	Station name	Location	Drainage area (mi^2)	Period of record	Date	Gage height (feet)	Discharge (ft^3/s)
		Red River basin--Continued					
07370650	Flat Creek near Sikes, LA.	Lat 32°04'45", long 92°27'50", Winn Parish, at bridge on State Highway 126, and 1.5 mi (2.4 km) east of Sikes.	41.5	1951-68, 1975-80	4-13-80	9.77	(†)
07370660	Flat Creek near Olla, LA.	Lat 32°00'55", long 92°21'50", Winn Parish, at bridge on State Highway 127, 2.5 mi (4.0 km) downstream from Fish Creek, and 10.2 mi (16.4 km) northwest of Olla.	103	1966-80	4-13-80	47.28	3,800
07370700	Beech Creek near Olla, LA.	Lat 31°54'55", long 92°23'35", Winn Parish, at bridge on State Highway 124, and 9.0 mi (14.5 km) west of Olla.	*58	1954-68, 1974-80	4-12-80	42.81	3,700
07370750	Chickasaw Creek near Olla, LA.	Lat 31°52'30", long 92°13'35", La Salle Parish, at bridge on State Highway 127, 2.0 mi (3.2 km) southeast of Olla, and 3.5 mi (5.6 km) upstream from Tarver Creek.	47.6	1954-80	2- 9-80	40.61	2,390
07370820	Dugdemona River near Quitman, LA.	Lat 32°20'40", long 92°44'40", Jackson Parish, at bridge on State Highway 155, and 1.7 mi (2.7 km) west of Quitman.	117	1964-80	5-16-80	41.56	1,700
07370840	Choctaw Creek near Hodge, LA.	Lat 32°22'05", long 92°48'45", Bienville Parish, at bridge on State Highway 147, and 8.5 mi (13.7 km) northwest of Hodge.	16.5	1966-80	4-13-80	42.67	695
07370930	Cypress Bayou at Quitman, LA.	Lat 32°20'45", long 92°42'55", Jackson Parish, at bridge on U.S. Highway 167, and 0.8 mi (1.3 km) southeast of Quitman.	91.8	1966-80	4-13-80	41.95	3,500
07370980	Little Dugdemona River near Hodge, LA.	Lat 32°16'20", long 92°41'40", Jackson Parish, at bridge on State Highway 813-3, and 1.7 mi (2.7 km) east of Hodge.	*20	1964-80	1-22-80	45.37	1,080
07372110	Brushy Creek near Joyce, LA.	Lat 31°55'10", long 92°33'15", Winn Parish, at bridge on U.S. Highway 84, and 3.0 mi (4.8 km) southeast of Joyce.	*24	1964-80	4-13-80	44.04	2,300
07372300	Bear Creek near Packton, LA.	Lat 31°47'05", long 92°34'40", Grant Parish, at bridge on U.S. Highway 167, and 1.1 mi (1.8 km) south of Packton.	*11	1954-68, 1975-80	4-12-80	46.09	(†)
07372430	Bayou Funny Louis tributary No. 6 near Olla, LA.	Lat 31°52'35", long 92°01'15", La Salle Parish, at culvert on State Highway 126, 13.2 mi (21.2 km) east of Olla.	1.23	1973-80	3-16-73a 12-25-73a 2-16-75a 10-30-76a 3- 4-77a 5- 7-78a 1-20-79a 4-12-80	10.48 10.31 9.56 7.40 11.50 11.18 10.70 11.04	(†) (†) (†) (†) (†) (†) (†) (†)
07372900	Dyson Creek near Pollock, LA.	Lat 31°32'20", long 92°25'40", Grant Parish, at bridge on unnumbered parish road, 0.8 mi (1.3 km) upstream from mouth, and 1.6 mi (2.6 km) northwest of Pollock.	*12	1964-80	4-12-80	43.58	(†)
07381750	Spring Creek tributary near Hineston, LA.	Lat 31°08'40", long 92°42'00", Rapides Parish, at culvert on State Highway 488, 1.4 mi (1.6 km) upstream from mouth, and 3.5 mi (2.3 km) east of Hineston.	.16	1977-80	3- 4-77a 6- 7-78a 9-21-79a 4-12-80	6.27 6.70 9.10 7.67	26 45 157 90
07381850	Hurricane Creek tributary at Forest Hill, LA	Lat 31°03'15", long 92°31'40", Rapides Parish, at culvert on U.S. Highway 165, 0.9 mi (1.4 km) north of Forest Hill, and 1.0 mi (1.6 km) upstream from mouth.	.95	1975-80	5- 4-75a 1-25-76a 3- 4-77a 1-24-78a 9-21-79a 12-13-79	6.53 5.20 6.02 7.28 10.25 9.40	333 175 268 436 (†) 740

See footnotes at end of the table.

ANNUAL MAXIMUM DISCHARGE AT CREST-STAGE PARTIAL-RECORD STATIONS DURING WATER YEAR 1980--Continued

Station No.	Station name	Location	Drainage area (mi^2)	Period of record	Annual maximum		
					Date	Gage height (feet)	Discharge (ft^3/s)
		Mermentau River basin					
08011800	Castor Creek near Oberlin, LA.	Lat 30°37'10", long 92°37'10", Allen Parish, at bridge on parish road 0.1 mi (0.2 km) upstream from Mulberry Creek, and 8.5 mi (13.7 km) east of Oberlin.	43.9	1964-80	5-16-80	b45.84	1,150
08011190	East Fork Bayou Nezpique tributary near Bayou Chicot, LA.	Lat 30°50'15", long 92°21'30", Evangeline Parish, at culvert on U.S. Highway 167, 1.5 mi (2.4 km) north of Bayou Chicot, and 2.3 mi (3.7 km) upstream from mouth.	.38	1977-80	1-14-77a 11-30-77a 9-20-79a 5-16-80	6.32 9.20 9.04 8.57	(†) (†) (†) (†)
		Calcasieu River basin					
08011760	West Fork Caney Creek tributary near Oakdale, LA.	Lat 30°47'30", long 92°38'20", Allen Parish, at culvert on State Highway 372, 1.4 mi (2.3 km) south of junction of State Highways 372 and 10, and 2.2 mi (3.5 km) southeast of junction of U.S. Highway 165 and State Highway 10 in Oakdale.	1.36	1977-80	4-21-77a 11-30-77a 9-20-79a 3-30-80	4.21 6.20 8.23 5.78	132 380 (†) 320
08012650	Floctaw Creek near Lacamp, LA.	Lat 31°10'55", long 92°59'45", Vernon Parish, at bridge on State Highway 28, and 5.0 mi (8.0 km) northwest of Lacamp.	18.7	1951-68, 1975-80	4-12-80	15.03	4,430
08013350	Chinquapin Creek near Oberlin, LA.	Lat 30°41'15", long 92°43'45", Allen Parish, at culvert on U.S. Highway 165, 3.4 mi (5.5 km) upstream from mouth, and 4.8 mi (7.7 km) northeast of Oberlin.	1.80	1975-80	1- 8-75a 1-25-76a 4-21-77a 11-30-77a 9-20-79a 3-29-80	8.30 7.58 8.12 8.30 10.29 8.49	345 200 313 347 608 380
08013610	Whisky Chitto Creek tributary near Leesville, LA.	Lat 31°06'55", long 93°09'50", Vernon Parish, at culvert on Ninth Street in North Fort Polk, 3.2 mi (5.1 km) upstream from mouth.	.32	1975-80	5- 4-75a 5- 8-76a 3- 4-77a 11-30-77a 7-27-79a 4-12-80	11.29 11.11 7.50 10.64 8.40 11.11	410 401 197 377 267 401
08013700	Drakes Creek near Pitkin, LA.	Lat 30°57'45", long 93°08'15", Vernon Parish, at bridge on State Highway 10, and 12.5 mi (20.1 km) west of Pitkin.	22.1	1954-68, 1975-80	4-12-80	16.62	4,050
08013800	Little Sixmile Creek near Pitkin, LA.	Lat 30°58'05", long 93°00'45", Vernon Parish, at bridge on State Highway 10, 1.0 mi (1.6 km) upstream from Spurlock Branch, and 5.0 mi (8.0 km) west of Pitkin.	10.4	1954-80	4-12-80	14.72	(†)
08013950	Big Brushy Creek near Pitkin, LA.	Lat 30°54'55", long 92°53'30", Vernon Parish, at bridge on State Highway 10, and 3.0 mi (4.8 km) southeast of Pitkin, and 3.1 mi (5.0 km) upstream from mouth.	34.4	1965-80	4-12-80	16.36	2,210
08014000	Sixmile Creek near Sugartown, LA.	Lat 30°48'52", long 92°55'34", Allen Parish, at bridge on State Highway 112, 5.5 mi (8.9 km) east of Sugartown, and 6.6 mi (10.6 km) upstream from mouth.	171	1956-65‡, 1966-80	4-12-80	13.09	3,550
08014200	Tenmile Creek near Elizabeth, LA.	Lat 30°50'11", long 92°52'26", Allen Parish, at bridge on State Highway 112, 0.3 mi (0.5 km) downstream from Carter Branch, and 5.3 mi (8.5 km) southwest of Elizabeth.	94.2	1950-65‡, 1966-80	12-13-79	16.10	7,000
08014600	Flat Creek near De Ridder, LA.	Lat 30°51'05", long 93°14'45", Beauregard Parish, at bridge on State Highway 112, 2.4 mi (3.9 km) east of De Ridder, and 3.2 mi (5.1 km) upstream from mouth.	26.3	1964-80	4-12-80	11.48	2,510
08015200	Dry Creek at Dry Creek, LA.	Lat 30°39'25", long 93°02'45", Beauregard Parish, at bridge on State Highway 113, and 1.0 mi (1.6 km) south of Dry Creek.	42.7	1954-68, 1975-80	5-16-80	23.72	(†)

See footnotes at end of the table.

ANNUAL MAXIMUM DISCHARGE AT CREST-STAGE PARTIAL-RECORD STATIONS DURING WATER YEAR 1980--Continued

Station No.	Station name	Location	Drainage area (mi²)	Period of record	Annual maximum Date	Annual maximum Gage height (feet)	Annual maximum Discharge (ft³/s)
		Calcasieu River basin--Continued					
08016500	Hickory Branch near Longville, LA.	Lat 30°36'23", long 93°15'49", Beauregard Parish, at bridge on State Highway 110, 2.1 mi (3.4 km) west of Longville, and 4.2 mi (6.7 km) upstream from Horse Branch.	34.9	1954-68, 1977-80	5-16-80	18.95	(†)
08016600	Hickory Branch at Kernan, LA.	Lat 30°30'05", long 93°16'45", Beauregard Parish, at bridge on State Highway 12, 0.7 mi (1.1 km) southwest of Kernan, and 3.0 mi (4.8 km) upstream from Cowpen Creek.	82.2	1946-57‡, 1958-80	5-16-80	27.76	6,830
		Sabine River basin					
08022600	Bayou Castor near Longstreet, LA.	Lat 32°05'35", long 93°55'15", De Soto Parish, at bridge on State Highway 3015, and 1.8 mi (2.9 km) east of Longstreet.	27.7	1954-68, 1975-80	3-11-80	15.01	(†)
08022680	Bushneck Bayou tributary near Keatchie, LA.	Lat 32°10'30", long 93°58'00", De Soto Parish, at culvert on State Highway 172, 0.8 mi (1.3 km) upstream from Bushneck Bayou, and 3.7 mi (6.0 km) west of Keatchie.	1.21	1977-80	1977a 5- 7-78a 1-20-79a 4-12-80	<6.85 7.62 7.87 7.41	<18 38 45 33
08022750	Bayou Castor tributary near Logansport, LA.	Lat 32°01'55", long 93°58'35", De Soto Parish, at culvert on State Highway 5, 1.5 mi (2.4 km) upstream from mouth, and 4.2 mi (6.8 km) northeast of Logansport.	1.10	1977-80	2-12-77a 5- 7-78a 3-31-79a 4-12-80	7.00 9.37 12.59 11.34	(†) (†) (†) (†)
08023270	Bull Bayou near Hunter, LA.	Lat 31°53'10", long 93°50'30", De Soto Parish, at bridge on State Highway 174, 1.1 mi (1.8 km) southeast of Hunter, and 3.2 mi (5.1 km) upstream from mouth.	8.54	1964-80	4-12-80	14.57	(†)
08023424	Bayou San Patricio tributary No. 2 near Converse, LA.	Lat 31°49'40", long 93°41'00", Sabine Parish, at culvert on U.S. Highway 171, 0.9 mi (1.4 km) upstream from mouth, and 3.3 mi (5.3 km) north of Converse.	.89	1975-80	11-17-74a 7-19-76a 3- 4-77a 9-14-78a 3- 4-79a 5-16-80	6.07 4.23 5.23 10.33 7.63 8.24	268 62 132 (†) 343 450
08023640	Bayou San Miguel tributary near Pleasant Hill, LA.	Lat 31°47'35", long 93°30'35", Sabine Parish, at culvert on State Highway 175, 1.9 mi (3.1 km) south of Pleasant Hill, and 3.7 mi (6.0 km) upstream from mouth.	.22	1977-80	3-28-77a 2-13-78a 3- 4-79a 5-16-80	5.52 5.68 7.56 6.72	(†) (†) (†) (†)
08024030	Bayou Scie at Zwolle, LA.	Lat 31°37'45", long 93°37'40", Sabine Parish, at bridge on U.S. Highway 171, and 1.0 mi (1.6 km) east of Zwolle.	45.9	1951-68, 1975-80	5-16-80	11.25	1,750
08024060	Blackwell Creek at Many, LA.	Lat 31°34'50", long 93°27'45", Sabine Parish, at bridge on State Highway 6, 0.2 mi (0.3 km) northeast of Many, and 0.8 mi (1.3 km) upstream from mouth.	3.16	1960-68‡, 1969-80	5-16-80	10.56	541
08025850	Pearl Creek at State Highway 111, at Burr Ferry, LA.	Lat 31°04'32", long 93°29'22", Vernon Parish, at bridge 0.8 mi (1.3 km) northeast of Burr Ferry.	9.66	1966-80	4-12-80	9.74	(†)
08026200	Red Bank Creek at Evans, LA.	Lat 30°59'30", long 93°29'55", Vernon Parish, at bridge on State Highway 111, 0.4 mi (0.6 km) northeast of Evans, and 2.8 mi (4.5 km) upstream from mouth.	17.2	1966-80	4-12-80	20.60	(†)
08026700	West Anacoco Creek near Hornbeck, LA.	Lat 31°18'00", long 93°22'10", Vernon Parish, at bridge on U.S. Highway 171, and 2.5 mi (4.0 km) southeast of Hornbeck.	22.2	1951-68, 1974-80	2- 9-80	12.79	1,520
08027550	Prairie Creek near Leesville, LA.	Lat 31°10'40", long 93°16'30", Vernon Parish, at bridge on U.S. Highway 171, and 2.5 mi (4.0 km) northwest of Leesville.	40.0	1949-68, 1974-80	4-12-80	12.98	2,370
08029700	Brushy Creek at Bancroft, LA.	Lat 30°33'35", long 93°40'49", Beauregard Parish, at bridge on State Highway 389, and 0.8 mi (1.3 km) south of Bancroft.	25.9	1954-68, 1975-80	5-17-80	16.92	(†)

* Approximately.
< Less than amount shown.
† Discharge not determined.
‡ Operated as a continuous-record gaging station.
a Not previously published.
b Elevation; National Geodetic Vertical Datum of 1929.

PEAK ELEVATIONS AT FLOOD-PROFILE PARTIAL-RECORD STATIONS

The following table contains annual maximum elevation for flood-profile stations. A flood-profile gage is a device which will register the peak elevation occurring between inspections. The date of the maximum elevation is not always certain but is usually determined by comparison with nearby continuous-record stations, weather records, or local inquiry. Where two or more sites on the same stream have annual peaks caused by different floods, all floods are listed for each site. The years given in the period of record represent water years for which the annual maximum has been determined.

ANNUAL MAXIMUM ELEVATION AT FLOOD-PROFILE PARTIAL-RECORD STATIONS DURING WATER YEAR 1980

Station No.	Station name	Location	Drainage area (mi^2)	Period of record	Flood peak	
					Date	Elevation, in feet (NGVD)
		Red River basin				
07348105	McCain Creek at Pine Hills Road, near Shreveport, LA (station discontinued)	Lat 32°35'01", long 93°49'34", Caddo Parish, at bridge 6.7 mi (10.8 km) northwest of courthouse at Shreveport.	(*)	1963-80	1977 1978 5- 4-79 1980	c<*35.87 c<*35.87 c*46.19 <*35.90
07348120	McCain Creek at Cooper Road, near Shreveport, LA (station discontinued)	Lat 32°33'11", long 93°47'30", Caddo Parish, at bridge 3.7 mi (6.0 km) northwest of courthouse at Shreveport.	(*)	1963-80	4-13-80	*46.43
07349363	Macks Bayou tributary No. 2, at Bossier City, LA (station discontinued)	Lat 32°32'33", long 93°42'30", Bossier Parish, at bridge on Airline Drive, 2.1 mi (3.4 km) northeast of Bossier City Post Office.	(*)	1963-80	1-22-80 5-19-80	163.67 <162.94
07349365	Macks Bayou at Bossier City, LA	Lat 32°31'59", long 93°40'24", Bossier Parish, at bridge on U.S. Highway 80, 3.3 mi (5.3 km) northeast of Bossier City Post Office.	(*)	1963-80	1980	<158.81
07349368	Macks Bayou tributary No. 3, at Bossier City, LA (station discontinued)	Lat 32°31'20", long 93°41'31", Bossier Parish, at bridge on Old Minden Road, 2.1 mi (3.4 km) east of Bossier City Post Office.	(*)	1963-80	1980	<162.91
07349369	Macks Bayou at North Gate Road, at Bossier City, LA (station discontinued)	Lat 32°30'39", long 93°40'56", Bossier Parish, 500 ft (152 m) west of Barksdale Air Force Base fence at North Gate Road, at Bossier City.	(*)	1966-80	1-22-80	<158.80
07349380	Flat River at Taylortown, LA (station discontinued)	Lat 32°23'20", long 93°35'15", Bossier Parish, at bridge on State Highway 527, and 0.5 mi (0.8 km) east of Taylortown.	95.8	1960-62‡, 1963-80	1980	<*142.96
07349400	Flat River near Elm Grove, LA	Lat 32°19'45", long 93°31'20", Bossier Parish, at bridge on State Highway 157, and 2.2 mi (3.5 km) southeast of Elm Grove.	112	1960-80	1980	<140.00
07349590	Ivan Lake near Cotton Valley, LA	Lat 32°49'45", long 93°29'20", Bossier Parish, at bridge 100 ft above dam, and 4.0 mi (6.4 km) west of Cotton Valley.	37.8	1960-65‡, 1966-80	4-13-80	201.28
07349785	Little Cypress Bayou at State Highway 3, Plain Dealing, LA (station discontinued)	Lat 32°54'55", long 93°42'15", Bossier Parish, at bridge 0.6 mi (1.0 km) northwest of Plain Dealing.	(*)	1963-80	1980	<276.14
07349787	Little Cypress Bayou tributary at Plain Dealing, LA (station discontinued)	Lat 32°54'30", long 93°42'15", Bossier Parish, at bridge on State Highway 3, 0.7 mi (1.1 km) northwest of Plain Dealing.	(*)	1963-80	1980	<265.31
07349790	Little Cypress Bayou at Plain Dealing, LA (station discontinued)	Lat 32°54'05", long 93°41'55" Bossier Parish, at bridge on unnamed street 0.3 mi (0.5 km) downstream from State Highway 3, and 0.3 mi (0.5 km) southeast of Plain Dealing.	(*)	1963-80	1980	<258.42

See footnotes at end of the table.

PEAK ELEVATIONS AT FLOOD-PROFILE PARTIAL-RECORD STATIONS

ANNUAL MAXIMUM ELEVATION AT FLOOD-PROFILE PARTIAL-RECORD STATIONS DURING WATER YEAR 1980--Continued

Station No.	Station name	Location	Drainage area (mi²)	Period of record	Flood peak Date	 Elevation, in feet (NGVD)
		Red River basin--Continued				
07349860	Red Chute Bayou at Sligo, LA (station discontinued)	Lat 32°26'50", long 93°35'40", Bossier Parish, at bridge on State Highway 612, and 0.5 mi (0.8 km) west of Sligo.	980	1962-62‡, 1963-80d	1-22-80	150.78
07349900	Swan Lake near Elm Grove, LA	Lat 32°16'55", long 93°27'05", Bossier Parish at bridge on parish road, 7.5 mi (12.1 km) southeast of Elm Grove.	1,020	1961-80	1-22-80	138.72
07350300	Coushatta Bayou near Crichton, LA	Lat 32°07'10", long 93°24'10", Red River Parish, at bridge on State Highway 515, 1.8 mi (2.9 km) east of Crichton.	15.9	1980	1-22-80	129.00
07350700	Bayou Pierre at Shreveport, LA	Lat 30°27'20", long 93°44'05", Caddo Parish, at bridge on Pierremont Road, 3.4 mi (5.7 km) southeast of Shreveport city hall.	(*)	1960-80	12-13-79 4-13-80	<152.36 154.24
07350800	Bayou Pierre at Forbing, LA (station discontinued)	Lat 32°23'35", long 93°43'25", Caddo Parish, at bridge on State Highway 526, 0.6 mi (1.0 km) north of Forbing and 8.1 mi (13.0 km) south of Shreveport Post Office.	19	1960-65‡, 1967-80	12-13-79 4-13-80	145.30 147.68
07350820	Sand Beach Bayou at Shreveport, LA	Lat 32°26'35", long 93°43'27", Caddo Parish, at bridge on East 70th Street, 4.3 mi (6.9 km) southeast of Shreveport city hall.	(*)	1963-64, 1965-80	5- 4-79 1980	c*43.03 <*42.60
07350840	Sand Beach Bayou near Shreveport, LA (station discontinued)	Lat 32°24'03", long 93°42'26", Caddo Parish, at bridge on State Highway 526, 7.4 mi (11.9 km) southeast of Shreveport city hall.	(*)	1963-80	1980	<149.29
07350900	Bayou Pierre near Robson, LA (station discontinued)	Lat 32°22'25", long 93°40'30", Caddo Parish, at bridge on Leonard Road, and 2.0 mi (3.2 km) northwest of Robson.	26.0	1960-80	12-13-79 4-13-80	138.58 137.52
07351200	Brush Bayou at Shreveport, LA	Lat 32°26'23", long 93°46'52", Caddo Parish, at Southern Pacific Railway bridge, (4.9 mi) (7.9 km) southwest of Shreveport city hall.	3.4	1960-80	12-13-79	183.11
07351580	Bayou Pierre near Abington, LA (station discontinued)	Lat 32°08'10", long 93°31'05", De Soto-Red River Parish line, at bridge on State Highway 509, and 2.0 mi (4.7 km) northwest of Abington.	406	1960-65‡, 1966-80	12-13-79 4-13-80	unknown 129.76
07351740	Bayou Pierre at Evelyn, LA (station discontinued)	Lat 31°59'20", long 93°26'30", De Soto-Red River Parish line, at bridge on State Highway 177, and 0.2 mi (0.3 km) northeast of Evelyn.	707	1950-65‡, 1966-80	12-13-79 4-13-80	unknown 121.17
07351750	Bayou Pierre near Lake End, LA (station discontinued)	Lat 31°53'40", long 93°20'30", Natchitoches-Red River Parish line, at bridge on State Highway 174, and 2.9 mi (4.7 km) southwest of Lake End.	860	1960-80	5-18-80	113.20
07352150	Saline Lake near Clarence, LA	Lat 31°51'10", long 92°56'10", Natchitoches-Winn Parish line, 100 ft (30.48 m) left of spillway, and 5.9 mi (9.5 km) northeast of Clarence.	(a)	1960-80	4-13-80	106.76
07352410	Kepler Lake near Castor, LA	Lat 32°18'40", long 93°09'30", Bienville Parish, at dam on Kepler Lake, 5.0 mi (8.0 km) north of Castor.	46.2	1960-65‡, 1966-80	5- 4-70 2- 3-72 4-13-80	c101.56 c102.53 c177.62
07352900	Saline Bayou at Allen Dam, near Clarence, LA	Lat 31°51'05", long 92°56'45", Natchitoches Parish, on right bank upstream wing wall of spillway, and 5.3 mi (8.5 km) northeast of Clarence.	(a)	1960-80	4-13-80	103.68
07354740	Old River at Montrose, LA	Lat 31°34'25", long 92°59'40", Natchitoches Parish, at bridge on State Highway 1 at Montrose.	471	1960-65‡, 1966-80	1980	<94.94
07354780	Cane River near Cloutierville, LA	Lat 31°33'15", long 92°53'20", Natchitoches Parish, on left bank at south end of drainage canal and floodgates on State Highway 495, and 2.2 mi (3.5 km) northeast of Cloutierville.	582	1960-80	1980	<94.94

See footnotes at end of the table.

ANNUAL MAXIMUM ELEVATION AT FLOOD-PROFILE PARTIAL-RECORD STATIONS DURING WATER YEAR 1980--Continued

Station No.	Station name	Location	Drainage area (mi^2)	Period of record	Flood peak	
					Date	Elevation, in feet (NGVD)
		Red River basin--Continued				
07355400	Bayou Marteau near Rock Hill, LA	Lat 31°25'30", long 92°35'50", Grant Parish, at bridge on unnumbered parish road, 2.2 mi (3.5 km) southwest of Rock Hill, and 5.0 mi (8.0 km) northeast of Boyce.	(*)	1960-80	4-12-80	81.90
07355475	Bayou Rapides near Alexandria, LA	Lat 31°18'43", long 92°33'38", Rapides Parish, at bridge on parish road, 12.2 mi (19.6 km) upstream from Red River, and 6.9 mi (11.1 km) west of Alexandria city hall.	(*)	1963-64, 1967-80	1980	<81.91
07355490	Bayou Rapides at control structure at Alexandria, LA	Lat 31°17'59", long 92°29'42", Rapides Parish, 100 ft (30 m) north of State Highway 496, and 3.1 mi (5.0 km) west of Alexandria city hall.	(‡‡)	1963-80	1980	<73.91
07366270	Bayou D'Arbonne Lake west of Farmerville, LA	Lat 32°47'07", long 92°27'25", Union Parish, on downstream side of bridge on State Highway 2, 3.1 mi (5.0 km) west of Farmerville.	(*)	1979-80	4-15-80	*30.85
07366365	Bayou D'Arbonne below dam near Downsville, LA	Lat 32°42'46", long 92°20'26", Union Parish, on downstream side of dam at left end, 7.4 mi (11.9 km) northeast of Downsville.	1,607	1978-80	4-17-80	72.04
07367030	Black Bayou at West Monroe, LA	Lat 32°29'55", long 92°08'30", Ouachita Parish, on downstream side of bridge at Interstate 20-State Highway 34 exit in West Monroe.	(*)	1978-80	5-16-80	*37.98
07367500	Cheniere Brake near Bawcomville, LA	Lat 32°27'10", long 92°11'29", Ouachita Parish, on downstream side of bridge on State Highway 3033, 1.5 mi (2.4 km) southwest of Bawcomville.	147	1944-45b, 1978-80	1980	<*38.00
07368502	Cheniere Creek south of Bawcomville, LA	Lat 32°26'22", long 92°10'20", Ouachita Parish, on downstream side of bridge on State Highway 34, 1.5 mi (2.4 km) south of Bawcomville.	(*)	1978-80	5-16-80	*34.84
07368810	Bayou Galion west of Oak Ridge, LA	Lat 32°37'35", long 91°50'19", Morehouse Parish, on downstream side of bridge on State Highway 134, 3.7 mi (6.0 km) west of Oak Ridge.	(*)	1979-80	3-29-80	*44.27
07369016	Youngs Bayou at Monroe, LA	Lat 32°29'37", long 92°04'56", Ouachita Parish, at bridge on service road of U.S. Highway 165, 0.5 mi (0.8 km) south of junction with Interstate 20 at Monroe.	(*)	1978-80	5-16-80	*43.72
07369024	Youngs Bayou near Monroe, LA	Lat 32°27'34", long 92°02'49", Ouachita Parish, at bridge on Moore Road, 3.1 mi (5.0 km) southeast of Monroe.	(*)	1978-80	5-16-80	*42.79
07369195	Turkey Creek near Baskin, LA	Lat 32°14'50", long 91°40'45", Franklin Parish, at bridge on State Highway 577, 3.7 mi (6.0 km) east of Baskin.	(*)	1978-80	3/28/80	45.94
07369253	Turkey Creek at Jigger, LA	Lat 32°02'05", long 91°44'06", Franklin Parish, at bridge on State Highway 128, 0.7 mi (1.1 km) east of Jigger.	62.0	1975-78‡, 1980	5-16-80	38.01
07369300	Deer Creek near Wisner, LA	Lat 31°57'00", long 91°39'15", Franklin Parish, at bridge on State Highway 15, 2.0 mi (3.2 km) south of Wisner.	27.1	1978-80	5-16-80	39.40
07369325	Rawson Creek near Harrisonburg, LA	Lat 31°49'41", long 91°48'54", Catahoula Parish, at bridge on State Highway 124, 4.2 mi (6.8 km) north of Harrisonburg.	(*)	1978-80	5-16-80	42.87
07369460	Roundaway Bayou near Tallulah, LA	Lat 32°23'09", long 91°12'30", Madison Parish, at bridge on State Highway 603, 1.5 mi (2.4 km) southwest of Tallulah.	28	1954-59‡, 1978-80	5- 8-78 1-21-79 3-30-80	c72.85 c72.56 72.12

See footnotes at end of the table.

ANNUAL MAXIMUM ELEVATION AT FLOOD-PROFILE PARTIAL-RECORD STATIONS DURING WATER YEAR 1980--Continued

Station No.	Station name	Location	Drainage area (mi^2)	Period of record	Flood peak Date	Flood peak Elevation, in feet (NGVD)
		Red River basin--Continued				
07371600	Dugdemona River near Dodson, LA	Lat 32°07'22", long 92°48'24", Winn Parish, at bridge on State Highway 126, and 9.1 mi (14.6 km) northwest of Dodson.	412	1959-80	4-13-80	117.27
07373282.3	Bayou Cocodrie at Ferriday, LA	Lat 31°37'33", long 91°34'37", Concordia Parish, at culvert on U.S. Highway 84, 1.5 mi (2.4 km) southwest of Ferriday Post Office.	(‡‡)	1978-80	1-11-80	22.39
07373283.2	Black River Lake at Monterey, LA	Lat 31°26'39", long 91°43'10", Concordia Parish, on left bank 0.1 mi (0.2 km) west of State Highway 129, 0.7 mi (1.1 km) south of Monterey, and 1.1 mi (1.8 km) south of Monterey High School.	(†)	1978-80	4-12-80	20.69
		Mississippi River Delta				
07382256	Bayou Rapides-Boeuf-Cocodrie diversion channel at Alexandria, LA	Lat 30°17'43", long 92°29'38", Rapides Parish, at bridge on State Highway 28, 3.2 mi (5.1 km) west of Alexandria, city hall.	(‡‡)	1963-80	4-12-80	72.68
07382257	Bayou Rapides-Boeuf-Cocodrie diversion channel at State Highway 488, near Alexandria, LA	Lat 31°15'37", long 92°31'13", Rapides Parish, at bridge 5.7 mi (9.2 km) southwest of Alexandria city hall.	(‡‡)	1963-80	4-12-80	68.32
07382258	Bayou Rapides-Boeuf-Cocodrie diversion channel at U.S. Highway 165, near Alexandria, LA	Lat 31°13'39", long 92°29'49", Rapides Parish, at bridge 6.5 mi (10.5 km) southwest of Alexandria city hall.	(‡‡)	1963-80	1980	<69.22
07382700	Bayou Carron at Washington, LA	Lat 30°36'55", long 92°03'50", St. Landry Parish, at bridge on State Highway 10 at southwestern edge of Washington.	82.6	1973-80	4-13-80	*44.45
07382840	Hynson Bayou at Bringhurst Park, at Alexandria, LA	Lat 31°17'19", long 92°27'16", Rapides Parish, on right bank just below bridge on Masonic Drive, 1.7 mi (2.7 km) south of Alexandria city hall.	(†)	1963-80	4-12-80	76.03
07382850	Horseshoe Drainage Canal at Packing House Road, at Alexandria, LA	Lat 21°16'25", long 92°26'15", Rapides Parish, at bridge 2.6 mi (4.2 km) south of Alexandria city hall.	(†)	1960-80	1-23-80	63.99
07382855	Hynson Bayou at Midway St., at Alexandria, LA	Lat 31°16'15", long 92°25'22", Rapides Parish, at bridge 3.1 mi (5.0 km) southeast of Alexandria city hall.	(†)	1963-80	1-23-80	69.91
07382865	Persimmon Bayou near Alexandria, LA	Lat 31°13'45", long 92°22'51", Rapides Parish, at Texas and Pacific Railway bridge, just downstream from State Highway 1, and 6.7 mi (10.8 km) southeast of Alexandria city hall.	(†)	1963-80	1-23-80	67.10
07383000	Chatlin Lake Canal near LeCompte, LA	Lat 31°07'10", long 92°20'40", Rapides Parish, at bridge on State Highway 457, and 3.7 mi (6.0 km) northeast of LeCompte.	75.9	1943-58b, 1960, 1962-80	4-13-80	61.00
		Calcasieu River basin				
08012600	Calcasieu River near Slagle, LA	Lat 31°13'30", long 93°06'05", Vernon Parish, at bridge on State Highway 8, and 2.2 mi (3.5 km) northeast of Slagle.	48.1	1959-80	4-12-80	*14.51
		Sabine River basin				
08025700	Sandy Creek near Burr Ferry, LA	Lat 31°08'30", long 93°31'10", Vernon Parish, at Bridge on State Highway 111, 5.3 mi (8.5 km) northeast of Burr Ferry.	33.7	1964-80	1980	<108.18

† Drainage area not determined.
* Gage datum, NGVD of gage not determined.
< Less than amount shown.
‡ Operated as a crest-stage partial-record station.
‡‡ Drainage area indeterminate.
a Combined drainage area for stations 07352150 and 07352900, 1,325 sq mi.
b Operated as a continuous-record gaging station.
c Revised.
d Discontinued as a flood-profile partial-record station; established as a continuous-record gaging station July 10, 1980.

DISCHARGE MEASUREMENTS MADE AT MISCELLANEOUS SITES DURING WATER YEAR 1980

Stream	Tributary to	Location	Drainage area (mi^2)	Measured previously (water years)	Measurements	
					Date	Discharge (ft^3/s)
		Red River basin				
Rambin Bayou	Chenard Lake	Lat 31°55'01", long 93°28'29", De Soto Parish, at bridge on unnumbered parish road, 1.4 mi (2.3 km) downstream from Belle Bayou, and 6.2 mi (10.0 km) south of Evelyn, LA.	(†)	1978-79	4-16-80	39.0
Louies Bayou	......do.......	Lat 31°57'04", long 93°28'39", De Soto Parish, at bridge on unnumbered parish road, 0.4 mi (0.6 km) downstream from Blanchard Bayou, and 4.3 mi (6.9 km) southwest of Evelyn, LA.	(†)	1978-79	5-29-80 7- 8-80	*1.96 *.16
Prairie Bayou	Louies Bayou	Lat 31°55'33", long 93°29'03", De Soto Parish, at bridge on unnumbered parish road, 0.4 mi (0.6 km) upstream from unnamed tributary, and 6.2 mi (10.0 km) southwest of Evelyn, LA.	(†)	1977-79	5-29-80	*2.73
Bayou Pierre	Red River	Lat 31°51'36", long 93°12'21", Natchitoches Parish, at bridge on State Highway 485, 1.0 mi (1.6 km) south of Powhatan, LA.	(†)	---	8-29-80	*35.8
Bayou Bartholomew	Ouachita River	Lat 32°44'15", long 92°01'26", Morehouse Parish, 2.3 mi (3.7 km) northwest of Perryville, and 5.1 mi (8.2 km) upstream from mouth.	(†)	---	9- 9-80	70.6
Bayou D'Arbonne	......do.......	Lat 32°41'23", long 92°14'38", Union Parish, 2.5 mi (4.0 km) northwest of Rocky Branch, and 2.8 mi (4.5 km) upstream from Lick Creek.	(†)	---	9-10-80	589
Ouachita River	Black River	Lat 32°26'20", long 92°06'55", Ouachita Parish, 3.9 mi (6.3 km) south of Interstate Highway 20 bridge, and 8.3 mi (13.4 km) upstream from Cheniere Creek.	(†)	---	9- 9-80	1,260
Turkey Creek	Boeuf River	Lat 32°02'05", long 91°44'06", Franklin Parish, at bridge on State Highway 128, 0.7 mi (1.1 km) east of Jigger, 1.8 mi (2.9 km) above Little Turkey Creek, and 4.6 mi (7.4 km) west of Gilbert, LA.	62.0	1975	2-26-79a 3- 8-79a	778 270
Muddy Creek	Black Lake Bayou	Lat 32°13'29", long 92°52'49", Bienville Parish, at bridge on State Highway 4, 0.2 mi (0.3 km) north of Friendship, and 2.3 mi (3.7 km) northwest of Danville, LA.	(†)	1977-79	11-29-79 6-17-80	.56 *.29
Devils Creek	Catahoula Lake	Lat 31°36'25", long 92°11'09", La Salle Parish, at bridge on unnumbered parish road, 3.3 mi (5.3 km) upstream from Pound Branch, and 6.6 mi (10.6 km) southwest of Jena, LA.	(†)	1979	8-19-80	*.08
Do........	......do.......	Lat 31°36'25", long 92°11'10", La Salle Parish, on unnumbered parish road, 50 ft (15 m) above mouth, 3.3 mi (5.3 km) upstream from Pound Branch, and 5.1 mi (8.2 km) west of Nebo, LA.	(†)	1979	8-19-80	*.10
Do........	......do.......	Lat 31°35'34", long 92°10'54, La Salle Parish, at bridge on unnumbered parish road, 2.2 mi (3.5 km) upstream from Pound Branch, and 4.2 mi (6.8 km) northwest of Nebo, LA.	(†)	1977-79	8-19-80	*1.40
Do........	......do.......	Lat 31°34'59", long 92°10'19", La Salle Parish, at bridge on unnumbered parish road, 1.2 mi (1.9 km) upstream from Pound Branch, and 2.6 mi (4.2 km) west of Nebo, LA.	(†)	1977-79	8-19-80	*1.82
Do........	......do.......	Lat 31°34'15", long 92°09'34", La Salle Parish, at bridge on State Highway 127, 0.1 mi (0.2 km) downstream from Pound Branch, and 1.8 mi (2.9 km) southwest of Nebo, LA.	(†)	1970, 1978-79	8-19-80	*2.80
Do........	......do.......	Lat 31°33'51", long 92°09'00", La Salle Parish, at bridge on unnumbered parish road, 0.1 mi (0.2 km) west of State Highway 777, 1.0 mi (1.6 km) downstream from Pound Branch, and 1.8 (2.9 km) south of Nebo, LA.	(†)	1977-79	8-19-80	*3.01

† Drainage area not determined.
* Base flow.
Not previously published.

DISCHARGE MEASUREMENTS MADE AT MISCELLANEOUS SITES DURING WATER YEAR 1980--Continued

Stream	Tributary to	Location	Drainage area (mi^2)	Measured previously (water years)	Measurements	
					Date	Discharge
		Red River basin--Continued				
Devils Creek	Catahoula Lake	Lat 31°32'58", long 92°08'08", La Salle Parish, at bridge on unnumbered parish road, 1.0 (1.6 km) upstream from Long Branch, 1.2 mi (1.9 km) southeast of Nebo School, and 3.5 mi (5.6 km) south of Nebo, LA	(†)	1970, 1975, 1979	8-19-80	*2.31
		Mermentau River basin				
Bayou Mallet	Bayou des Cannes	Lat 30°26'30", long 92°24'45", St. Landry Parish, at bridge on State Highway 13, 142 ft (432 m) upstream from Missouri and Pacific railway bridge, and 3.5 mi (5.6 km) south of Eunice, LA	(†)	---	6-18-80	*2.67
		Calcasieu River basin				
Barnes Creek	Calcasieu River	Lat 30°28'04", long 93°05'35", Allen Parish, at bridge on unnumbered parish road, and 3.6 mi southwest of Bel, LA.	(†)	1978-79	6-17-80	*5.37
Hickory Branch	Beckwith Creek	Lat 30°30'05", long 93°16'45", Beauregard Parish, at bridge on State Highway 12, and 0.7 mi (1.1 km) southwest of Kernan, LA.	82.2	1945-57b, 1978-79	6-17-80	*.85
Do..........	......do........	Lat 30°24'54", long 93°16'45", Beauregard Parish, at at bridge on unnumbered parish road, 0.4 mi (0.6 km) downstream from Little Creek, and 5.1 mi (8.2 km) southwest of Gaytine, LA.	132	1943, 1978-79	6-17-80	.00
		Sabine River basin				
Unnamed No. 3	Bayou San Patricio	Lat 31°55'49", long 93°38'27", De Soto Parish, at bridge on unnumbered parish road, 1.2 mi (1.9 km) northwest of Oxford, LA.	(†)	1979	4-14-80 5-16-80 5-28-80	219 171 *.66
Bayou Anacoco	Sabine River	Lat 30°54'15", long 93°23'44", Vernon Parish, at bridge on unnumbered parish road, 0.8 mi (1.3 km) downstream from Clear Creek, and 7.5 mi (12.1 km) northwest of De Ridder, LA.	(†)	1969, 1979	11- 6-79 3-11-80 7- 8-80	169 322 *30.2

† Drainage area not determined.
* Base flow.
b Operated as a continuous-record gaging station.

LOWER MISSISSIPPI RIVER BASIN

MISSISSIPPI RIVER MAIN STEM

310552091361200 MISSISSIPPI RIVER (COOCHIE) NEAR BLACK HAWK, LA (CE 01020)

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	INSTANTANEOUS DISCHARGE (CFS)	SUSPENDED SEDIMENT (MG/L)	SUSPENDED SEDIMENT DISCHARGE (T/DAY)	SUS. SED. SIEVE DIAM. % FINER THAN .062 MM
OCT				
25...	281000	187	142000	94
NOV				
06...	282000	155	118000	94
20...	247000	142	94700	96
DEC				
05...	469000	258	327000	90
18...	1098000	507	1500000	76
JAN				
04...	906000	228	558000	91
15...	1070000	409	1180000	67
29...	998000	314	846000	78
FEB				
12...	918000	227	563000	79
26...	608000	560	919000	93
JUN				
28...	621000	221	371000	93
JUL				
12...	534000	235	339000	93
26...	581000	262	411000	91
AUG				
07...	731000	395	780000	92
22...	540000	204	297000	94
SEP				
06...	684000	261	482000	84
19...	500000	227	306000	91

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

RED RIVER BASIN

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

315704093287100 LOUIE'S BAYOU NEAR EVELYN, LA

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	SUSPENDED SEDIMENT (MG/L)	SUSPENDED SEDIMENT DISCHARGE (T/DAY)	SUS. SED. SIEVE DIAM. % FINER THAN .062 MM
MAY 29...	1145	1.9	37	.20	76
JUL 08...	1045	.16	127	.05	87

315533093290300 PRAIRIE BAYOU NEAR EVELYN, LA

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	SUSPENDED SEDIMENT (MG/L)	SUSPENDED SEDIMENT DISCHARGE (T/DAY)	SUS. SED. SIEVE DIAM. % FINER THAN .062 MM
MAY 29...	1225	2.7	26	.19	96

315501093282900 RAMBIN BAYOU NEAR EVELYN, LA

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	SUSPENDED SEDIMENT (MG/L)	SUSPENDED SEDIMENT DISCHARGE (T/DAY)	SUS. SED. SIEVE DIAM. % FINER THAN .062 MM
APR 16...	1130	39	51	5.4	96
JUL 09...	1215	.02	37	.00	95

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

RED RIVER BASIN

07351748 WEST BRANCH DOLET BAYOU AT RAMBIN, LA

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	TEMPER-ATURE, WATER (DEG C)	COLOR (PLAT-INUM COBALT UNITS)	TUR-BID-ITY (JTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./100 ML)	STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARD-NESS (MG/L AS CACO3)	HARD-NESS, NONCAR-BONATE (MG/L CACO3)
OCT 23...	1500	190	6.3	19.0	120	35	3.9	3.5	--	4900	45	12
JAN 09...	0815	165	6.3	7.5	60	8	9.6	1.5	210	150	28	11
APR 22...	1000	103	5.8	19.0	10	20	3.8	1.8	110	320	20	5
JUL 08...	0915	264	6.9	27.0	80	25	2.0	3.5	250	365	69	0

DATE	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM AD-SORP-TION RATIO	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	BICAR-BONATE (MG/L AS HCO3)	CAR-BONATE (MG/L AS CO3)	ALKA-LINITY (MG/L AS CACO3)	CARBON DIOXIDE DIS-SOLVED (MG/L AS CO2)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)
OCT 23...	8.7	5.7	16	56	1.0	4.2	41	0	34	33	13	27
JAN 09...	5.4	3.5	18	71	1.5	1.7	20	0	16	16	12	29
APR 22...	4.1	2.4	7.9	43	.8	1.8	18	0	15	46	11	10
JUL 08...	14	8.3	25	43	1.3	2.8	90	0	74	19	1.3	36

DATE	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L)	SOLIDS, DIS-SOLVED (TONS PER AC-FT)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS NO3)	PHOS-PHORUS, TOTAL (MG/L AS P)	PHOS-PHORUS TOTAL (MG/L AS PO4)
OCT 23...	.1	10	132	105	.18	.05	1.1	1.2	5.1	.220	.67
JAN 09...	.1	8.5	105	88	.14	.05	.63	.68	3.0	.030	.09
APR 22...	.1	7.5	79	54	.11	.01	.93	.94	4.2	.130	.40
JUL 08...	.3	14	174	146	.24	.02	1.9	1.9	8.5	.140	.43

DATE	ARSENIC DIS-SOLVED (UG/L AS AS)	ARSENIC TOTAL IN BOT-TOM MA-TERIAL (UG/G AS AS)	CADMIUM DIS-SOLVED (UG/L AS CD)	CADMIUM RECOV. FM BOT-TOM MA-TERIAL (UG/G AS CD)	CHRO-MIUM, RECOV. FM BOT-TOM MA-TERIAL (UG/G)	CHRO-MIUM, HEXA-VALENT, DIS. (UG/L AS CR)	COPPER, DIS-SOLVED (UG/L AS CU)	COPPER, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS CU)	IRON, DIS-SOLVED (UG/L AS FE)	IRON, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS FE)	LEAD, DIS-SOLVED (UG/L AS PB)	LEAD, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS PB)
OCT 23...	1	23	<1	0	3	0	3	45	750	5400	0	20

DATE	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	MANGA-NESE, RECOV. FM BOT-TOM MA-TERIAL (UG/G)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	MERCURY RECOV. FM BOT-TOM MA-TERIAL (UG/G AS HG)	ZINC, DIS-SOLVED (UG/L AS ZN)	ZINC, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	PCB, TOTAL (UG/L)	PCB, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	NAPH-THA-LENES, POLY-CHLOR. TOTAL (UG/L)
OCT 23...	690	420	.1	.05	10	100	21	.00	1	.0	2	.00

Actual value is known to be less than the value shown.

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

RED RIVER BASIN

07351748 WEST BRANCH DOLET BAYOU AT RAM[illegible]IN LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	PCN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	CHLOR-DANE, TOTAL (UG/L)	CHLOR-DANE, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	DDE, TOTAL (UG/L)	DDE, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	DI-AZINON, TOTAL (UG/L)
OCT												
23...	0	.00	.0	.0	0	.00	5.3	.00	2.2	.00	.0	.00

DATE	DI-AZINON, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	DI-ELDRIN TOTAL (UG/L)	DI-ELDRIN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	ENDO-SULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ENDRIN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	ETHION, TOTAL (UG/L)	ETHION, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	HEPTA-CHLOR, TOTAL (UG/L)	HEPTA-CHLOR, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	HEPTA-CHLOR EPOXIDE TOTAL (UG/L)	HEPTA-CHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)
OCT												
23...	.0	.00	.0	.00	.00	.0	.00	.0	.00	.0	.00	.0

DATE	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	MALA-THION, TOTAL (UG/L)	MALA-THION, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	METH-OXY-CHLOR, TOTAL (UG/L)	METH-OXY-CHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARA-THION, TOTAL (UG/L)	METHYL PARA-THION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRI-THION, TOTAL (UG/L)	METHYL TRI-THION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, TOTAL (UG/L)
OCT											
23...	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00

DATE	MIREX, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	PARA-THION, TOTAL (UG/L)	PARA-THION, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	PER-THANE TOTAL (UG/L)	TOX-APHENE, TOTAL (UG/L)	TOXA-PHENE, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	TOTAL TRI-THION (UG/L)	TRI-THION, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	2,4-D, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
OCT											
23...	.0	.00	.0	.00	0	0	.00	.0	.00	.00	.00

DATE	TIME	INSTAN-TANEOUS DIS-CHARGE (CFS)	SUS-PENDED SEDI-MENT (MG/L)	SUS-PENDED SEDI-MENT DIS-CHARGE (T/DAY)	SUS. SED. SIEVE DIAM. % FINER THAN .062 MM
OCT					
23...	1500	--	72	--	88
JAN					
09...	0815	--	20	--	83
APR					
13...	1800	282	61	46	85
14...	1615	325	79	69	75
22...	1000	--	44	--	80
24...	1045	67	39	7.1	78
MAY					
16...	1200	353	28	27	96
29...	1055	18	31	1.6	89

RED RIVER BASIN

07351750 BAYOU PIERRE NEAR LAKE END, LA

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	TEMPER-ATURE, WATER (DEG C)	COLOR (PLAT-INUM COBALT UNITS)	TUR-BID-ITY (JTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./100 ML)	STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARD-NESS (MG/L AS CACO3)	HARD-NESS, NONCAR-BONATE (MG/L CACO3)
OCT 23...	1300	906	7.7	20.0	10	15	8.0	.5	--	--	360	16
JAN 08...	1130	373	7.2	9.5	120	40	8.7	1.3	230	100	120	18
APR 22...	0900	106	6.4	19.0	70	50	7.5	2.0	230	400	32	6
JUL 08...	0830	722	6.9	31.0	10	7	5.2	--	K400	200	270	19

DATE	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM AD-SORP-TION RATIO	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	BICAR-BONATE (MG/L AS HCO3)	CAR-BONATE (MG/L AS CO3)	ALKA-LINITY (MG/L AS CACO3)	CARBON DIOXIDE DIS-SOLVED (MG/L AS CO2)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)
OCT 23...	77	35	57	39	1.4	3.7	390	0	320	12	60	68
JAN 08...	27	12	25	43	1.0	4.2	120	0	98	12	39	30
APR 22...	7.6	3.1	6.8	30	.5	2.5	31	0	25	20	11	8.5
JUL 08...	62	29	44	26	1.2	3.3	311	0	255	64	51	69

DATE	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L)	SOLIDS, DIS-SOLVED (TONS PER AC-FT)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS NO3)	PHOS-PHORUS, TOTAL (MG/L AS P)	PHOS-PHORUS TOTAL (MG/L AS PO4)
OCT 23...	.3	11	516	504	.70	.13	1.0	1.1	5.0	.110	.34
JAN 08...	.2	11	223	208	.30	.35	1.1	1.5	6.4	.240	.74
APR 22...	.1	6.3	78	61	.11	.14	1.2	1.3	5.9	.240	.74
JUL 08...	.4	14	423	406	.58	.16	1.4	1.6	6.9	.040	.12

DATE	ARSENIC DIS-SOLVED (UG/L AS AS)	ARSENIC TOTAL IN BOT-TOM MA-TERIAL (UG/G AS AS)	CADMIUM DIS-SOLVED (UG/L AS CD)	CADMIUM RECOV. FM BOT-TOM MA-TERIAL (UG/G AS CD)	CHRO-MIUM, RECOV. FM BOT-TOM MA-TERIAL (UG/G)	CHRO-MIUM, HEXA-VALENT, DIS. (UG/L AS CR)	COPPER, DIS-SOLVED (UG/L AS CU)	COPPER, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS CU)	IRON, DIS-SOLVED (UG/L AS FE)	IRON, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS FE)	LEAD, DIS-SOLVED (UG/L AS PB)	LEAD, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS PB)
OCT 23...	2	5	<1	0	2	0	0	2	10	2400	1	0

DATE	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	MANGA-NESE, RECOV. FM BOT-TOM MA-TERIAL (UG/G)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	MERCURY RECOV. FM BOT-TOM MA-TERIAL (UG/G AS HG)	ZINC, DIS-SOLVED (UG/L AS ZN)	ZINC, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	PCB, TOTAL (UG/L)	PCB, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	NAPH-THA-LENES, POLY-CHLOR, TOTAL (UG/L)
OCT 23...	230	110	.1	.01	0	4	8.5	.00	2	.0	1	.00

< Actual value is known to be less than the value shown.

K Results based on colony count outside the acceptable range (non-ideal count).

RED RIVER BASIN

07351750 BAYOU PIERRE NEAR LAKE END, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	PCB, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	CHLOR-DANE, TOTAL (UG/L)	CHLOR-DANE, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	DDE, TOTAL (UG/L)	DDE, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	DI-AZINON, TOTAL (UG/L)
OCT 23...	0	.00	.0	.0	0	.00	.6	.00	2.5	.00	.6	.00

DATE	DI-AZINON, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	DI-ELDRIN TOTAL (UG/L)	DI-ELDRIN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	ENDO-SULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ENDRIN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	ETHION, TOTAL (UG/L)	ETHION, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	HEPTA-CHLOR, TOTAL (UG/L)	HEPTA-CHLOR, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	HEPTA-CHLOR EPOXIDE TOTAL (UG/L)	HEPTA-CHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)
OCT 23...	.0	.00	.0	.00	.00	.0	.00	.0	.00	.0	.00	.0

DATE	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	MALA-THION, TOTAL (UG/L)	MALA-THION, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	METH-OXY-CHLOR, TOTAL (UG/L)	METH-OXY-CHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARA-THION, TOTAL (UG/L)	METHYL PARA-THION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRI-THION, TOTAL (UG/L)	METHYL TRI-THION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, TOTAL (UG/L)
OCT 23...	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00

DATE	MIREX, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	PARA-THION, TOTAL (UG/L)	PARA-THION, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	PER-THANE TOTAL (UG/L)	TOX-APHENE, TOTAL (UG/L)	TOXA-PHENE, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	TOTAL TRI-THION (UG/L)	TRI-THION, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	2,4-D, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
OCT 23...	.0	.00	.0	.00	0	0	.00	.0	.04	.00	.00

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

RED RIVER BASIN

07351750 BAYOU PIERRE NEAR LAKE END, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	SUS-PENDED SEDI-MENT (MG/L)	SUS. SED. SIEVE DIAM. % FINER THAN .062 MM
OCT			
23...	1300	122	87
JAN			
08...	1130	120	96
APR			
22...	0900	98	96
MAY			
05...	1240	162	92
06...	1345	150	93
07...	1400	103	97
08...	1435	150	78
09...	1345	200	74
10...	1220	132	90
11...	1210	97	99
12...	1500	123	98
13...	1320	111	98
14...	1300	268	70
15...	1330	176	92
16...	0900	1100	91
17...	1100	299	92
18...	1320	190	92
19...	1400	201	90
20...	1130	142	74
21...	1330	259	88
22...	1000	112	74
23...	1210	166	92
24...	1330	174	93
25...	1245	132	92
26...	1300	101	94
27...	1300	106	79
28...	1230	41	85
29...	1320	112	87
30...	1145	119	93
JUN			
01...	1100	148	74
02...	1345	60	82
03...	1300	82	84
04...	1200	198	85
05...	1120	189	91
06...	1145	102	95
07...	1310	126	99
08...	1320	180	91
09...	1030	122	92
10...	1145	82	95
JUN			
11...	1220	101	96
12...	1045	108	91
13...	1330	118	86
14...	1220	124	85
15...	1300	134	87
16...	1200	155	79
17...	1420	127	87
18...	1330	114	88
19...	1300	98	83
20...	1320	132	85
21...	1220	158	84
22...	1345	189	89
23...	1420	234	91
24...	1445	243	86
25...	1300	275	86
26...	1220	131	91
29...	1300	66	95
30...	1300	97	65
JUL			
01...	1220	64	98
02...	1300	69	97
03...	1430	70	96
04...	1330	73	88
05...	1320	84	90
06...	1200	80	86
07...	1345	100	93
08...	1220	91	93
09...	1300	89	91
10...	1345	124	91
11...	1345	120	92
12...	1300	160	61
13...	1320	170	61
14...	1600	196	69
15...	1400	145	61
16...	1430	177	58
17...	1320	173	70
18...	1530	201	61
19...	1420	313	73
20...	1420	323	67
21...	1300	252	73

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

RED RIVER BASIN

07351750 BAYOU PIERRE NEAR LAKE END, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	SUS-PENDED SEDI-MENT (MG/L)	SUS. SED. SIEVE DIAM. % FINER THAN .062 MM
JUL			
22...	1430	350	70
23...	1215	127	74
24...	1330	168	77
25...	1400	431	66
26...	1520	104	80
27...	1420	182	66
28...	1400	116	90
29...	1330	88	94
30...	1220	64	83
31...	1315	80	89
AUG			
01...	1330	169	91
02...	1420	162	94
03...	1345	196	94
04...	1330	276	84
05...	1420	330	85
06...	1300	377	85
07...	1320	351	81
08...	1430	390	75
09...	1300	71	83
10...	1400	80	88
11...	1430	87	94
12...	1345	76	89
13...	1220	98	67
14...	1200	68	76
15...	1300	89	79
16...	1330	95	83
17...	1400	91	86
18...	1430	63	76
19...	1400	95	91
20...	0845	77	100
21...	1602	75	95
22...	0845	96	94
23...	0600	80	99
24...	1600	52	90
25...	1135	53	94
26...	1700	45	100
27...	0900	55	93
28...	1300	81	88
28...	1415	125	77
29...	1730	85	78
30...	1730	107	87
31...	0900	99	76
SEP			
01...	1615	83	86
02...	1600	79	91
03...	1600	61	85
04...	1620	66	85
05...	1600	79	86
06...	0900	86	83
07...	0800	99	88
08...	1615	104	90
09...	1600	144	53
10...	1615	123	62
11...	1600	99	62
12...	1630	81	48
13...	2000	75	69
14...	2000	111	75
15...	1900	116	82
16...	1730	105	68
17...	1615	63	75
18...	1900	49	73
19...	1600	73	68
20...	2015	131	75
21...	2015	103	90
22...	1630	86	85
23...	1700	76	89
24...	1110	89	87
25...	1715	115	94
26...	1600	144	91
27...	1915	134	84
28...	0905	133	85
29...	1100	148	91
30...	1200	125	88

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

RED RIVER BASIN

07354750 CANE RIVER LAKE AT NATCHITOCHES, LA

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE, WATER (DEG C)	COLOR (PLATINUM COBALT UNITS)	TURBIDITY (JTU)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)
NOV 06...	1030	563	7.8	15.5	50	10	9.8	7.0	140	K2800	190	19
JAN 08...	1000	430	7.1	9.5	40	10	9.0	6.4	8800	660	140	26
APR 17...	1615	171	6.9	19.0	80	75	7.2	5.6	1400	K11000	63	17
JUL 08...	0700	458	7.3	32.5	15	1	1.7	6.7	--	K3000	150	0

DATE	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM ADSORPTION RATIO	POTASSIUM, DISSOLVED (MG/L AS K)	BICARBONATE (MG/L AS HCO3)	CARBONATE (MG/L AS CO3)	ALKALINITY (MG/L AS CACO3)	CARBON DIOXIDE DISSOLVED (MG/L AS CO2)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)
NOV 06...	54	13	46	34	1.5	3.9	206	0	169	5.2	24	61
JAN 08...	37	12	29	30	1.1	4.3	141	0	116	18	38	42
APR 17...	17	4.9	8.2	21	.5	2.9	56	0	46	12	19	11
JUL 08...	39	12	29	29	1.0	5.1	189	0	155	15	13	39

DATE	FLUORIDE, DISSOLVED (MG/L AS F)	SILICA, DISSOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L)	SOLIDS, DISSOLVED (TONS PER AC-FT)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS NO3)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS TOTAL (MG/L AS PO4)
NOV 06...	.2	--	307	--	.42	.02	1.8	1.8	8.1	.160	.49
JAN 08...	.2	9.4	252	241	.34	.09	1.9	2.0	8.8	.190	.58
APR 17...	.1	8.0	128	99	.17	.17	1.5	1.7	7.4	.280	.86
JUL 08...	.3	3.9	261	234	.36	.01	3.3	3.3	15	.110	.34

DATE	ARSENIC DISSOLVED (UG/L AS AS)	ARSENIC TOTAL IN BOTTOM MATERIAL (UG/G AS AS)	CADMIUM DISSOLVED (UG/L AS CD)	CADMIUM RECOV. FM BOTTOM MATERIAL (UG/G AS CD)	CHROMIUM, RECOV. FM BOTTOM MATERIAL (UG/G)	CHROMIUM, HEXAVALENT, DIS. (UG/L AS CR)	COPPER, DISSOLVED (UG/L AS CU)	COPPER, RECOV. FM BOTTOM MATERIAL (UG/G AS CU)	IRON, DISSOLVED (UG/L AS FE)	IRON, RECOV. FM BOTTOM MATERIAL (UG/G AS FE)	LEAD, DISSOLVED (UG/L AS PB)	LEAD, RECOV. FM BOTTOM MATERIAL (UG/G AS PB)
NOV 06...	1	4	2	0	7	0	3	7	150	4800	0	90

DATE	MANGANESE, DISSOLVED (UG/L AS MN)	MANGANESE, RECOV. FM BOTTOM MATERIAL (UG/G)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	MERCURY RECOV. FM BOTTOM MATERIAL (UG/G AS HG)	ZINC, DISSOLVED (UG/L AS ZN)	ZINC, RECOV. FM BOTTOM MATERIAL (UG/G AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	PCB, TOTAL (UG/L)	PCB, TOTAL IN BOTTOM MATERIAL (UG/KG)	NAPHTHALENES, POLYCHLOR. TOTAL (UG/L)
NOV 06...	90	200	.1	.10	8	24	14	.00	5	.0	0	.00

K Results based on colony count outside the acceptable range (non-ideal count).

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

07354750 CANE RIVER LAKE AT NATCHITOCHES, LA--Continued

DATE	PCN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	CHLORDANE, TOTAL (UG/L)	CHLORDANE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDE, TOTAL (UG/L)	DDE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIAZINON, TOTAL (UG/L)
NOV 06...	0	.00	.0	.0	19	.00	30	.00	14	.00	.0	.03

DATE	DIAZINON, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIELDRIN TOTAL (UG/L)	DIELDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDOSULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ENDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ETHION, TOTAL (UG/L)	ETHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR, TOTAL (UG/L)	HEPTACHLOR, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR EPOXIDE TOTAL (UG/L)	HEPTACHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)
NOV 06...	.0	.00	.4	.00	.00	.0	.00	.0	.00	.0	.00	.0

DATE	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOTTOM MATERIAL (UG/KG)	MALATHION, TOTAL (UG/L)	MALATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	METHOXYCHLOR, TOTAL (UG/L)	METHOXYCHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARATHION, TOTAL (UG/L)	METHYL PARATHION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRITHION, TOTAL (UG/L)	METHYL TRITHION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, TOTAL (UG/L)
NOV 06...	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00

DATE	MIREX, TOTAL IN BOTTOM MATERIAL (UG/KG)	PARATHION, TOTAL (UG/L)	PARATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	PERTHANE TOTAL (UG/L)	TOXAPHENE, TOTAL (UG/L)	TOXAPHENE, TOTAL IN BOTTOM MATERIAL (UG/KG)	TOTAL TRITHION (UG/L)	TRITHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	2,4-D, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
NOV 06...	.0	.00	.0	.00	0	0	.00	.0	.09	.02	.00

07354760 CANE RIVER LAKE NEAR MONTROSE, LA

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE, WATER (DEG C)	COLOR (PLATINUM COBALT UNITS)	TURBIDITY (JTU)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)
NOV 06...	0915	345	7.7	19.0	10	4	7.6	1.8	K10	100	130	0
JAN 08...	0915	356	7.4	10.0	20	3	--	--	K40	K25	140	3
APR 17...	1445	416	7.8	29.0	5	5	11.0	4.9	200	K64	160	0
JUL 07...	1715	330	7.3	30.5	10	2	10.0	1.9	<5	4600	120	13

< Actual value is known to be less than the value shown.

K Results based on colony count outside the acceptable range (non-ideal count).

RED RIVER BASIN

07354760 CANE RIVER LAKE NEAR MONTROSE, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM AD-SORP-TION RATIO	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	BICAR-BONATE (MG/L AS HCO3)	CAR-BONATE (MG/L AS CO3)	ALKA-LINITY (MG/L AS CACO3)	CARBON DIOXIDE DIS-SOLVED (MG/L AS CO2)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)
NOV 06...	26	15	19	37	.7	4.5	170	0	139	5.4	10	21
JAN 08...	34	14	19	31	.7	4.1	170	0	139	11	13	22
APR 17...	39	15	21	22	.7	4.0	199	0	163	5.0	18	24
JUL 07...	23	14	21	28	.9	4.3	125	0	103	10	15	26

DATE	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L)	SOLIDS, DIS-SOLVED (TONS PER AC-FT)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS NO3)	PHOS-PHORUS, TOTAL (MG/L AS P)	PHOS-PHORUS TOTAL (MG/L AS PO4)
NOV 06...	.2	4.9	176	184	.24	.04	.88	.92	4.1	.060	.18
JAN 08...	.2	--	193	--	.26	.16	.94	1.1	4.9	.050	.15
APR 17...	.2	6.9	233	226	.32	.00	1.1	1.1	4.9	.070	.21
JUL 07...	.2	4.9	201	170	.27	.01	1.6	1.6	7.1	.890	2.7

DATE	ARSENIC DIS-SOLVED (UG/L AS AS)	ARSENIC TOTAL IN BOT-TOM MA-TERIAL (UG/G AS AS)	CADMIUM DIS-SOLVED (UG/L AS CD)	CADMIUM RECOV. FM BOT-TOM MA-TERIAL (UG/G AS CD)	CHRO-MIUM, RECOV. FM BOT-TOM MA-TERIAL (UG/G)	CHRO-MIUM, HEXA-VALENT, DIS. (UG/L AS CR)	COPPER, DIS-SOLVED (UG/L AS CU)	COPPER, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS CU)	IRON, DIS-SOLVED (UG/L AS FE)	IRON, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS FE)	LEAD, DIS-SOLVED (UG/L AS PB)	LEAD, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS PB)
NOV 06...	0	2	1	0	3	0	0	3	10	2600	0	15

DATE	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	MANGA-NESE, RECOV. FM BOT-TOM MA-TERIAL (UG/G)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	MERCURY RECOV. FM BOT-TOM MA-TERIAL (UG/G AS HG)	ZINC, DIS-SOLVED (UG/L AS ZN)	ZINC, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	PCB, TOTAL (UG/L)	PCB, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	NAPH-THA-LENES, POLY-CHLOR. TOTAL (UG/L)
NOV 06...	10	170	.1	.01	7	0	11	.00	11	.0	0	.00

DATE	PCN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	CHLOR-DANE, TOTAL (UG/L)	CHLOR-DANE, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	DDE, TOTAL (UG/L)	DDE, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	DI-AZINON, TOTAL (UG/L)
NOV 06...	0	.00	.0	.0	0	.00	.9	.00	1.7	.00	.7	.03

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

RED RIVER BASIN

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

07354760 CANE RIVER LAKE NEAR MONTROSE, LA--Continued

DATE	DI-AZINON, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	DI-ELDRIN TOTAL (UG/L)	DI-ELDRIN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	ENDO-SULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ENDRIN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	ETHION, TOTAL (UG/L)	ETHION, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	HEPTA-CHLOR, TOTAL (UG/L)	HEPTA-CHLOR, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	HEPTA-CHLOR EPOXIDE TOTAL (UG/L)	HEPTA-CHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)
NOV												
06...	.0	.00	.0	.00	.00	.0	.00	.0	.00	.0	.00	.0

DATE	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	MALA-THION, TOTAL (UG/L)	MALA-THION, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	METH-OXY-CHLOR, TOTAL (UG/L)	METH-OXY-CHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARA-THION, TOTAL (UG/L)	METHYL PARA-THION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRI-THION, TOTAL (UG/L)	METHYL TRI-THION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, TOTAL (UG/L)
NOV											
06...	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00

DATE	MIREX, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	PARA-THION, TOTAL (UG/L)	PARA-THION, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	PER-THANE TOTAL (UG/L)	TOX-APHENE, TOTAL (UG/L)	TOXA-PHENE, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	TOTAL TRI-THION (UG/L)	TRI-THION, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	2,4-D, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
NOV											
06...	.0	.00	.0	.00	0	0	.00	.0	.07	.01	.00

07354900 CANE RIVER NEAR GALBRAITH, LA

DATE	TIME	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	TEMPER-ATURE, WATER (DEG C)	COLOR (PLAT-INUM COBALT UNITS)	TUR-BID-ITY (JTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARD-NESS (MG/L AS CACO3)	HARD-NESS, NONCAR-BONATE (MG/L CACO3)
NOV												
06...	0815	182	6.2	15.5	100	25	5.7	3.4	K65	140	55	8
JAN												
08...	0830	154	6.7	8.5	70	30	9.3	1.3	K88	110	51	12
APR												
17...	1230	77	6.4	17.5	70	45	8.4	3.6	200	560	23	8
JUL												
14...	1600	514	7.7	37.0	10	3	5.3	--	K40	K850	210	0

DATE	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM AD-SORP-TION RATIO	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	BICAR-BONATE (MG/L AS HCO3)	CAR-BONATE (MG/L AS CO3)	ALKA-LINITY (MG/L AS CACO3)	CARBON DIOXIDE DIS-SOLVED (MG/L AS CO2)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)
NOV												
06...	13	5.5	10	27	.6	3.6	58	0	48	58	13	12
JAN												
08...	12	5.1	9.7	28	.6	2.0	48	0	39	14	17	10
APR												
17...	5.8	2.1	5.1	30	.5	1.9	19	0	16	12	11	5.6
JUL												
14...	49	21	27	22	.8	2.9	261	0	214	8.4	22	26

K Results based on colony count outside the acceptable range (non-ideal count).

RED RIVER BASIN

07354900 CANE RIVER NEAR GALBRAITH, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	FLUORIDE, DISSOLVED (MG/L AS F)	SILICA, DISSOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L)	SOLIDS, DISSOLVED (TONS PER AC-FT)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS NO3)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS TOTAL (MG/L AS PO4)
NOV 06...	.2	16	117	102	.16	.54	1.5	2.0	9.0	.140	.43
JAN 08...	.1	21	107	101	.15	.15	.89	1.0	4.6	.150	.46
APR 17...	.1	11	63	52	.09	.10	1.1	1.2	5.3	.120	.37
JUL 14...	.4	24	306	301	.42	.00	1.9	1.9	8.4	.250	.77

DATE	ARSENIC DISSOLVED (UG/L AS AS)	ARSENIC TOTAL IN BOTTOM MATERIAL (UG/G AS AS)	CADMIUM DISSOLVED (UG/L AS CD)	CADMIUM RECOV. FM BOTTOM MATERIAL (UG/G AS CD)	CHROMIUM, RECOV. FM BOTTOM MATERIAL (UG/G)	CHROMIUM, HEXAVALENT, DIS. (UG/L AS CR)	COPPER, DISSOLVED (UG/L AS CU)	COPPER, RECOV. FM BOTTOM MATERIAL (UG/G AS CU)	IRON, DISSOLVED (UG/L AS FE)	IRON, RECOV. FM BOTTOM MATERIAL (UG/G AS FE)	LEAD, DISSOLVED (UG/L AS PB)	LEAD, RECOV. FM BOTTOM MATERIAL (UG/G AS PB)
NOV 06...	1	8	1	0	6	0	4	8	200	6200	0	30

DATE	MANGANESE, DISSOLVED (UG/L AS MN)	MANGANESE, RECOV. FM BOTTOM MATERIAL (UG/G)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	MERCURY RECOV. FM BOTTOM MATERIAL (UG/G AS HG)	ZINC, DISSOLVED (UG/L AS ZN)	ZINC, RECOV. FM BOTTOM MATERIAL (UG/G AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	PCB, TOTAL (UG/L)	PCB, TOTAL IN BOTTOM MATERIAL (UG/KG)	NAPHTHALENES, POLYCHLOR. TOTAL (UG/L)
NOV 06...	140	340	.1	.01	9	18	14	.00	1	.0	0	.00

DATE	PCN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	CHLORDANE, TOTAL (UG/L)	CHLORDANE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDE, TOTAL (UG/L)	DDE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIAZINON, TOTAL (UG/L)
NOV 06...	.0	.00	.0	.0	0	.00	.0	.00	.1	.00	.6	.02

DATE	DIAZINON, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIELDRIN TOTAL (UG/L)	DIELDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDOSULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ENDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ETHION, TOTAL (UG/L)	ETHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR, TOTAL (UG/L)	HEPTACHLOR, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR EPOXIDE TOTAL (UG/L)	HEPTACHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)
NOV 06...	.0	.00	.0	.00	.00	.0	.00	.0	.00	.0	.00	.0

DATE	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOTTOM MATERIAL (UG/KG)	MALATHION, TOTAL (UG/L)	MALATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	METHOXYCHLOR, TOTAL (UG/L)	METHOXYCHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARATHION, TOTAL (UG/L)	METHYL PARATHION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRITHION, TOTAL (UG/L)	METHYL TRITHION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, TOTAL (UG/L)
NOV 06...	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

RED RIVER BASIN

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

07354900 CANE RIVER NEAR GALBRAITH, LA--Continued

DATE	MIREX, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	PARA-THION, TOTAL (UG/L)	PARA-THION, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	PER-THANE TOTAL (UG/L)	TOX-APHENE, TOTAL (UG/L)	TOXA-PHENE, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	TOTAL TRI-THION (UG/L)	TRI-THION, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	2,4-D, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
NOV 06...	.0	.00	.0	.00	0	0	.00	.0	.04	.01	.00

07369270 TURKEY CREEK LAKE (BIG BRAKE) NEAR EXTENSION, LA

DATE	TIME	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	TEMPER-ATURE, WATER (DEG C)	COLOR (PLAT-INUM COBALT UNITS)	TUR-BID-ITY (JTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./100 ML)	STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARD-NESS (MG/L AS CACO3)	HARD-NESS, NONCAR-BONATE (MG/L CACO3)
NOV 06...	1500	160	6.6	17.5	20	15	9.0	1.6	K15	K2700	35	8
JAN 08...	1730	109	6.5	7.0	70	20	10.6	3.0	K15	240	28	5
APR 08...	1300	89	6.1	19.0	60	30	6.2	4.3	460	88	25	7
JUL 15...	1145	93	6.4	32.0	30	9	5.7	--	--	240	26	2

DATE	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM AD-SORP-TION RATIO	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	BICAR-BONATE (MG/L AS HCO3)	CAR-BONATE (MG/L AS CO3)	ALKA-LINITY (MG/L AS CACO3)	CARBON DIOXIDE DIS-SOLVED (MG/L AS CO2)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)
NOV 06...	8.9	3.2	13	41	1.0	3.7	34	0	28	14	3.5	26
JAN 08...	6.7	2.7	7.3	34	.6	2.6	28	0	23	14	4.7	15
APR 08...	6.4	2.3	6.1	32	.5	2.5	23	0	19	30	2.4	11
JUL 15...	6.7	2.2	5.6	29	.5	3.3	29	0	24	18	2.8	11

DATE	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L)	SOLIDS, DIS-SOLVED (TONS PER AC-FT)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS NO3)	PHOS-PHORUS, TOTAL (MG/L AS P)	PHOS-PHORUS TOTAL (MG/L AS PO4)
NOV 06...	.1	3.2	81	79	.11	.05	1.0	1.1	4.6	.060	.18
JAN 08...	.1	4.9	85	58	.12	.15	1.2	1.4	6.0	.160	.49
APR 08...	.0	3.6	59	45	.08	.11	1.2	1.3	5.8	.200	.61
JUL 15...	.2	5.1	63	51	.09	.00	1.2	1.2	5.3	.140	.43

DATE	ARSENIC DIS-SOLVED (UG/L AS AS)	ARSENIC TOTAL IN BOT-TOM MA-TERIAL (UG/G AS AS)	CADMIUM DIS-SOLVED (UG/L AS CD)	CADMIUM RECOV. FM BOT-TOM MA-TERIAL (UG/G AS CD)	CHRO-MIUM, RECOV. FM BOT-TOM MA-TERIAL (UG/G)	CHRO-MIUM, HEXA-VALENT, DIS. (UG/L AS CR)	COPPER, DIS-SOLVED (UG/L AS CU)	COPPER, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS CU)	IRON, DIS-SOLVED (UG/L AS FE)	IRON, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS FE)	LEAD, DIS-SOLVED (UG/L AS PB)	LEAD, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS PB)
NOV 06...	1	4	<1	0	9	0	2	14	20	9200	0	10

< Actual value is known to be less than the value shown.

K Results based on colony count outside the acceptable range (non-ideal count).

RED RIVER BASIN

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

07369270 TURKEY CREEK LAKE (BIG BRAKE) NEAR EXTENSION, LA--Continued

DATE	MANGANESE, DISSOLVED (UG/L AS MN)	MANGANESE, RECOV. FM BOTTOM MATERIAL (UG/G)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	MERCURY RECOV. FM BOTTOM MATERIAL (UG/G AS HG)	ZINC, DISSOLVED (UG/L AS ZN)	ZINC, RECOV. FM BOTTOM MATERIAL (UG/G AS ZN)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	PCB, TOTAL (UG/L)	PCB, TOTAL IN BOTTOM MATERIAL (UG/KG)	NAPHTHALENES, POLYCHLOR. TOTAL (UG/L)	PCN, TOTAL IN BOTTOM MATERIAL (UG/KG)
NOV 06...	5	140	.1	.02	8	19	.00	5	.0	0	.00	0

DATE	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	CHLORDANE, TOTAL (UG/L)	CHLORDANE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDE, TOTAL (UG/L)	DDE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIAZINON, TOTAL (UG/L)	DIAZINON, TOTAL IN BOTTOM MATERIAL (UG/KG)
NOV 06...	.00	.0	.0	0	.00	2.6	.00	3.2	.00	.0	.00	.0

DATE	DIELDRIN TOTAL (UG/L)	DIELDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDOSULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ENDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ETHION, TOTAL (UG/L)	ETHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR, TOTAL (UG/L)	HEPTACHLOR, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR EPOXIDE TOTAL (UG/L)	HEPTACHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)
NOV 06...	.00	.0	.00	.00	.0	.00	.0	.00	.0	.00	.0

DATE	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOTTOM MATERIAL (UG/KG)	MALATHION, TOTAL (UG/L)	MALATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	METHOXYCHLOR, TOTAL (UG/L)	METHOXYCHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARATHION, TOTAL (UG/L)	METHYL PARATHION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRITHION, TOTAL (UG/L)	METHYL TRITHION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, TOTAL (UG/L)
NOV 06...	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00

DATE	MIREX, TOTAL IN BOTTOM MATERIAL (UG/KG)	PARATHION, TOTAL (UG/L)	PARATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	PERTHANE TOTAL (UG/L)	TOXAPHENE, TOTAL (UG/L)	TOXAPHENE, TOTAL IN BOTTOM MATERIAL (UG/KG)	TOTAL TRITHION (UG/L)	TRITHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	2,4-D, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
NOV 06...	.0	.00	.0	.00	0	0	.00	.0	.00	.00	.00

07369670 LAKE PROVIDENCE AT LAKE PROVIDENCE, LA

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE WATER (DEG C	COLOR (PLATINUM COBALT UNITS)	TURBIDITY (JTU)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)
OCT 11...	1100	193	8.1	21.	10	4	9.7	3.1	K35	K300	78	0
JAN 09...	1130	189	7.5	8.	15	5	8.9	.1	120	110	79	0
APR 09...	1330	166	7.5	19.	5	20	11.6	3.4	K28	330	68	0
JUL 16...	0830	179	8.1	31.	10	3	6.7	--	K40	810	71	0

lts based on colony count outside the acceptable range (non-ideal count).

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

RED RIVER BASIN

07369370 LAKE PROVIDENCE AT LAKE PROVIDENCE, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM AD-SORP-TION RATIO	SODIUM+ POTAS-SIUM DIS-SOLVED (MG/L AS NA)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	BICAR-BONATE (MG/L AS HCO3)	CAR-BONATE (MG/L AS CO3)	ALKA-LINITY (MG/L AS CACO3)	CARBON DIOXIDE DIS-SOLVED (MG/L AS CO2)	SULFATE DIS-SOLVED (MG/L AS SO4)
OCT												
11...	20	6.8	6.5	15	.3	11	4.1	112	0	92	1.5	5.1
JAN												
09...	21	6.5	5.8	14	.3	6.8	1.0	105	0	88	5.5	2.4
APR												
09...	18	5.6	5.0	13	.3	8.8	3.8	86	0	71	4.5	3.1
JUL												
16...	18	6.3	7.0	17	.4	11	3.9	96	0	79	1.2	2.9

DATE	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L)	SOLIDS, DIS-SOLVED (TONS PER AC-FT)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS NO3)	PHOS-PHORUS, TOTAL (MG/L AS P)	PHOS-PHORUS TOTAL (MG/L AS PO4)
OCT												
11...	3.9	.1	4.0	112	106	.15	.01	.92	.93	4.1	.070	.21
JAN												
09...	3.9	.1	.8	119	94	.16	.08	.98	1.1	4.7	.080	.25
APR												
09...	3.4	.1	1.8	96	83	.13	.08	1.1	1.2	5.2	.110	.34
JUL												
16...	4.0	.3	6.8	90	96	.12	.00	1.1	1.1	4.9	.120	.37

DATE	ARSENIC DIS-SOLVED (UG/L AS AS)	ARSENIC TOTAL IN BOT-TOM MA-TERIAL (UG/G AS AS)	CADMIUM DIS-SOLVED (UG/L AS CD)	CADMIUM RECOV. FM BOT-TOM MA-TERIAL (UG/G AS CD)	CHRO-MIUM, RECOV. FM BOT-TOM MA-TERIAL (UG/G)	CHRO-MIUM, HEXA-VALENT, DIS. (UG/L AS CR)	COPPER, DIS-SOLVED (UG/L AS CU)	COPPER, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS CU)	IRON, DIS-SOLVED (UG/L AS FE)
OCT									
11...	11	5	<1	0	7	0	0	15	10
JAN									
09...	2	12	<1	0	5	0	0	600	60

DATE	IRON, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS FE)	LEAD, DIS-SOLVED (UG/L AS PB)	LEAD, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS PB)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	MANGA-NESE, RECOV. FM BOT-TOM MA-TERIAL (UG/G)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	MERCURY RECOV. FM BOT-TOM MA-TERIAL (UG/G AS HG)	ZINC, DIS-SOLVED (UG/L AS ZN)	ZINC, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS ZN)
OCT									
11...	7200	0	25	3	160	.1	.09	6	60
JAN									
09...	5400	0	2000	10	260	.0	.03	7	32

DATE	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	PCB, TOTAL (UG/L)	PCB, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	NAPH-THA-LENES, POLY-CHLOR. TOTAL (UG/L)	PCN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	CHLOR-DANE, TOTAL (UG/L)
OCT										
11...	--	.00	6	.0	28	.00	.0	.00	.0	.0
JAN										
09...	6.2	.00	1	.0	2	.00	.0	.00	.0	.0
APR										
09...	7.8	--	--	.1	14	.00	.0	.00	.0	.0
JUL										
16...	9.5	--	--	--	9	--	.0	--	.0	--

< Actual value is known to be less than the value shown.

07369370 LAKE PROVIDENCE AT LAKE PROVIDENCE, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	CHLORDANE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDE, TOTAL (UG/L)	DDE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIAZINON, TOTAL (UG/L)	DIAZINON, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIELDRIN TOTAL (UG/L)	DIELDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)
OCT											
11...	28	.00	19	.00	59	.00	.0	.00	.0	.00	.6
JAN											
09...	6	.00	5.3	.00	14	.00	.5	.00	.0	.00	.2
APR											
09...	180	.02	130	.00	130	.02	97	.00	.0	.01	1.8
JUL											
16...	7	--	16	--	8.4	--	.6	--	.0	--	.1

DATE	ENDOSULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ENDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ETHION, TOTAL (UG/L)	ETHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR, TOTAL (UG/L)	HEPTACHLOR, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR EPOXIDE TOTAL (UG/L)	HEPTACHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOTTOM MATERIAL (UG/KG)
OCT											
11...	.00	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0
JAN											
09...	.00	.00	.1	.00	.0	.00	.0	.00	.0	.00	.1
APR											
09...	.00	.01	3.1	.00	.0	.00	.0	.00	.6	.00	.0
JUL											
16...	--	--	.6	--	.0	--	.0	--	.0	--	.0

DATE	MALATHION, TOTAL (UG/L)	MALATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	METHOXYCHLOR, TOTAL (UG/L)	METHOXYCHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARATHION, TOTAL (UG/L)	METHYL PARATHION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRITHION, TOTAL (UG/L)	METHYL TRITHION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, TOTAL (UG/L)	MIREX, TOTAL IN BOTTOM MATERIAL (UG/KG)	PARATHION, TOTAL (UG/L)
OCT											
11...	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
JAN											
09...	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
APR											
09...	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
JUL											
16...	--	.0	--	.0	--	.0	--	.0	--	.0	--

DATE	PARATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	PERTHANE TOTAL (UG/L)	TOXAPHENE, TOTAL (UG/L)	TOXAPHENE, TOTAL IN BOTTOM MATERIAL (UG/KG)	TOTAL TRITHION (UG/L)	TRITHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	2,4-D, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)	PHYTOPLANKTON, TOTAL (CELLS PER ML)
OCT										
11...	.0	.00	0	0	.00	.0	.02	.01	.00	--
JAN										
09...	.0	.00	0	0	.00	.0	.01	.02	.00	--
APR										
09...	.0	.00	0	0	.00	.0	.01	.02	.00	--
JUL										
16...	.0	--	--	0	--	.0	.01	.00	.00	1000000

RED RIVER BASIN

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

07369370 LAKE PROVIDENCE AT LAKE PROVIDENCE, LA--Continued

PHYTOPLANKTON ANALYSES

DATE	JUL 16,80
TIME	0830
TOTAL CELLS/ML	1000000
DIVERSITY: DIVISION	0.0
.CLASS	0.0
..ORDER	0.1
...FAMILY	1.2
....GENUS	1.9

ORGANISM	CELLS /ML	PER- CENT
CHLOROPHYTA (GREEN ALGAE)		
.CHLOROPHYCEAE		
..CHLOROCOCCALES		
...CHARACIACEAE		
....SCHROEDERIA	*	0
...SCENEDESMACEAE		
....SCENEDESMUS	*	0
CHRYSOPHYTA		
.BACILLARIOPHYCEAE		
..CENTRALES		
...COSCINODISCACEAE		
....CYCLOTELLA	*	0
..PENNALES		
...NITZSCHIACEAE		
....NITZSCHIA	*	0
CRYPTOPHYTA (CRYPTOMONADS)		
.CRYPTOPHYCEAE		
..CRYPTOMONADALES		
...CRYPTOMONADACEAE		
....CRYPTOMONAS	*	0
CYANOPHYTA (BLUE-GREEN ALGAE)		
.CYANOPHYCEAE		
..CHROOCOCCALES		
...CHROOCOCCACEAE		
....AGMENELLUM	7700	1
....ANACYSTIS	*	0
..HORMOGONALES		
...NOSTOCACEAE		
....ANABAENA	27000	3
....ANABAENOPSIS	30000	3
...OSCILLATORIACEAE		
....LYNGBYA	270000#	26
....OSCILLATORIA	420000#	40
...RIVULARIACEAE		
....RAPHIDIOPSIS	290000#	27

NOTE: # - DOMINANT ORGANISM; EQUAL TO OR GREATER THAN 15%
* - OBSERVED ORGANISM, MAY NOT HAVE BEEN COUNTED; LESS THAN 1/2%

324850091111000 LAKE PROVIDENCE NORTH OF LAKE PROVIDENCE, LA

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE, WATER (DEG C)	COLOR (PLAT- INUM COBALT UNITS)	TUR- BID- ITY (JTU)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARD- NESS (MG/L AS CACO3)	HARD- NESS, NONCAR- BONATE (MG/L CACO3)
OCT 11...	1030	192	7.2	21.5	5	2	7.3	.0	<5	K15	75	0
JAN 09...	1215	188	7.4	8.5	10	5	9.3	.5	<5	K25	80	0
APR 09...	1300	163	7.5	19.0	5	15	10.2	2.2	K10	130	71	1
JUL 16...	0915	167	8.5	32.5	5	5	9.2	--	K25	4400	66	0

< Actual value is known to be less than the value shown.

K Results based on colony count outside the acceptable range (non-ideal count).

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

RED RIVER BASIN

324850091111000 LAKE PROVIDENCE NORTH OF LAKE PROVIDENCE, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM ADSORPTION RATIO	SODIUM+POTASSIUM DISSOLVED (MG/L AS NA)	POTASSIUM, DISSOLVED (MG/L AS K)	BICARBONATE (MG/L AS HCO3)	CARBONATE (MG/L AS CO3)	ALKALINITY (MG/L AS CACO3)	CARBON DIOXIDE DISSOLVED (MG/L AS CO2)	SULFATE DISSOLVED (MG/L AS SO4)
OCT 11...	19	6.8	6.1	14	.3	10	4.1	105	0	86	10	6.5
JAN 09...	21	6.6	5.7	13	.3	6.5	.8	102	0	84	6.4	6.2
APR 09...	19	5.6	4.6	12	.2	8.0	3.4	85	0	70	4.4	3.0
JUL 16...	16	6.3	5.8	15	.3	9.3	3.5	85	2	70	.4	2.5

DATE	CHLORIDE, DISSOLVED (MG/L AS CL)	FLUORIDE, DISSOLVED (MG/L AS F)	SILICA, DISSOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L)	SOLIDS, DISSOLVED (TONS PER AC-FT)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN,AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS NO3)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS TOTAL (MG/L AS PO4)
OCT 11...	3.7	.2	4.2	107	103	.15	.04	1.2	1.2	5.5	.100	.31
JAN 09...	3.6	.1	.6	113	95	.15	.08	1.6	1.7	7.4	.070	.21
APR 09...	2.9	.1	1.9	80	82	.11	.06	.89	.95	4.2	.110	.34
JUL 16...	5.1	.3	5.1	94	89	.13	.00	1.1	1.1	4.9	.100	.31

DATE	ARSENIC DISSOLVED (UG/L AS AS)	ARSENIC TOTAL IN BOTTOM MATERIAL (UG/G AS AS)	CADMIUM DISSOLVED (UG/L AS CD)	CADMIUM RECOV. FM BOTTOM MATERIAL (UG/G AS CD)	CHROMIUM, RECOV. FM BOTTOM MATERIAL (UG/G)	CHROMIUM, HEXAVALENT, DIS. (UG/L AS CR)	COPPER, DISSOLVED (UG/L AS CU)	COPPER, RECOV. FM BOTTOM MATERIAL (UG/G AS CU)	IRON, DISSOLVED (UG/L AS FE)
OCT 11...	7	9	1	0	7	0	0	21	10
JAN 09...	2	29	<1	0	10	0	0	2300	10

DATE	IRON, RECOV. FM BOTTOM MATERIAL (UG/G AS FE)	LEAD, DISSOLVED (UG/L AS PB)	LEAD, RECOV. FM BOTTOM MATERIAL (UG/G AS PB)	MANGANESE, DISSOLVED (UG/L AS MN)	MANGANESE, RECOV. FM BOTTOM MATERIAL (UG/G)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	MERCURY RECOV. FM BOTTOM MATERIAL (UG/G AS HG)	ZINC, DISSOLVED (UG/L AS ZN)	ZINC, RECOV. FM BOTTOM MATERIAL (UG/G AS ZN)
OCT 11...	14000	0	15	10	700	.1	.05	7	60
JAN 09...	19000	0	3500	2	880	.0	.07	5	82

DATE	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	PCB, TOTAL (UG/L)	PCB, TOTAL IN BOTTOM MATERIAL (UG/KG)	NAPHTHALENES, POLYCHLOR. TOTAL (UG/L)	PCN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	CHLORDANE, TOTAL (UG/L)
OCT 11...	--	.00	6	.0	0	.00	.0	.00	.0	.0
JAN 09...	7.2	.00	2	.0	5	.00	.0	.00	.0	.6
APR 09...	6.6	--	--	.0	5	.00	.0	.00	.0	.0
JUL 16...	8.2	--	--	.0	1	.00	.0	.00	.0	.0

< Actual value is known to be less than the value shown.

324850091111000 LAKE PROVIDENCE NORTH OF LAKE PROVIDENCE, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	CHLORDANE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDE, TOTAL (UG/L)	DDE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOTTOM MATERIAL (UG/KG)	DI-AZINON, TOTAL (UG/L)	DI-AZINON, TOTAL IN BOTTOM MATERIAL (UG/KG)	DI-ELDRIN TOTAL (UG/L)	DI-ELDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)
OCT 11...	31	.03	18	.00	78	.00	6.1	.00	.0	.03	.0
JAN 09...	0	.00	54	.00	70	.00	5.1	.00	.0	.00	.9
APR 09...	17	.01	60	.00	65	.02	110	.00	.0	.01	2.6
JUL 16...	2	.00	6.2	.00	1.7	.00	.3	.00	.0	.00	.0

DATE	ENDO-SULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ENDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ETHION, TOTAL (UG/L)	ETHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTA-CHLOR, TOTAL (UG/L)	HEPTA-CHLOR, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTA-CHLOR EPOXIDE TOTAL (UG/L)	HEPTA-CHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOTTOM MATERIAL (UG/KG)
OCT 11...	.00	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0
JAN 09...	.00	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0
APR 09...	.00	.01	4.7	.00	.0	.00	.0	.00	.7	.00	.0
JUL 16...	.00	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0

DATE	MALA-THION, TOTAL (UG/L)	MALA-THION, TOTAL IN BOTTOM MATERIAL (UG/KG)	METH-OXY-CHLOR, TOTAL (UG/L)	METH-OXY-CHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARA-THION, TOTAL (UG/L)	METHYL PARA-THION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRI-THION, TOTAL (UG/L)	METHYL TRI-THION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, TOTAL (UG/L)	MIREX, TOTAL IN BOTTOM MATERIAL (UG/KG)
OCT 11...	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0
JAN 09...	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0
APR 09...	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0
JUL 16...	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0

DATE	PARA-THION, TOTAL (UG/L)	PARA-THION, TOTAL IN BOTTOM MATERIAL (UG/KG)	PER-THANE TOTAL (UG/L)	TOX-APHENE, TOTAL (UG/L)	TOXA-PHENE, TOTAL IN BOTTOM MATERIAL (UG/KG)	TOTAL TRI-THION (UG/L)	TRI-THION, TOTAL IN BOTTOM MATERIAL (UG/KG)	2,4-D, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
OCT 11...	.00	.0	.00	0	0	.00	.0	.00	.05	.00
JAN 09...	.00	.0	.00	0	0	.00	.0	.01	.00	.02
APR 09...	.00	.0	.00	0	0	.00	.0	.01	.00	.00
JUL 16...	.00	.0	.00	0	0	.00	.0	--	--	--

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

RED RIVER BASIN

07370190 TENSAS RIVER AT CLAYTON, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE, WATER (DEG C)	COLOR (PLATINUM COBALT UNITS)	TURBIDITY (JTU)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)
NOV 07...	1330	379	7.1	21.0	50	20	8.3	3.1	<4	96	140	0
JAN 09...	1515	192	7.0	8.0	120	90	9.0	1.8	200	4200	72	3
APR 09...	1630	87	6.3	19.5	80	95	7.8	3.1	K68	K2200	35	3
JUL 16...	1345	329	8.0	34.0	20	3	7.9	--	K55	1000	110	1

DATE	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM ADSORPTION RATIO	POTASSIUM, DISSOLVED (MG/L AS K)	BICARBONATE (MG/L AS HCO3)	CARBONATE (MG/L AS CO3)	ALKALINITY (MG/L AS CACO3)	CARBON DIOXIDE DISSOLVED (MG/L AS CO2)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)
NOV 07...	35	12	19	31	.7	4.8	174	0	143	23	14	26
JAN 09...	19	6.0	7.5	25	.4	.7	84	0	69	13	8.8	9.4
APR 09...	9.4	2.7	3.0	15	.2	2.9	38	0	31	31	3.8	3.0
JUL 16...	27	11	20	27	.8	4.5	136	0	112	2.2	9.3	24

DATE	FLUORIDE, DISSOLVED (MG/L AS F)	SILICA, DISSOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L)	SOLIDS, DISSOLVED (TONS PER AC-FT)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS NO3)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS TOTAL (MG/L AS PO4)
NOV 07...	.1	11	206	208	.28	.20	.93	1.1	5.0	.110	.34
JAN 09...	.1	9.3	130	102	.18	.36	1.4	1.8	7.8	.280	.86
APR 09...	.0	5.4	60	49	.08	.28	1.4	1.7	7.4	.310	.95
JUL 16...	.3	10	184	173	.25	.01	1.5	1.5	6.7	.110	.34

DATE	ARSENIC DISSOLVED (UG/L AS AS)	ARSENIC TOTAL IN BOTTOM MATERIAL (UG/G AS AS)	CADMIUM DISSOLVED (UG/L AS CD)	CADMIUM RECOV. FM BOTTOM MATERIAL (UG/G AS CD)	CHROMIUM, RECOV. FM BOTTOM MATERIAL (UG/G)	CHROMIUM, HEXAVALENT, DIS. (UG/L AS CR)	COPPER, DISSOLVED (UG/L AS CU)	COPPER, RECOV. FM BOTTOM MATERIAL (UG/G AS CU)	IRON, DISSOLVED (UG/L AS FE)	IRON, RECOV. FM BOTTOM MATERIAL (UG/G AS FE)	LEAD, DISSOLVED (UG/L AS PB)	LEAD, RECOV. FM BOTTOM MATERIAL (UG/G AS PB)
NOV 07...	2	16	1	0	8	0	1	12	20	12000	0	50

< Actual value is known to be less than the value shown.

K Results based on colony count outside the acceptable range (non-ideal count).

07370190 TENSAS RIVER AT CLAYTON, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	MANGANESE, DISSOLVED (UG/L AS MN)	MANGANESE, RECOV. FM BOTTOM MATERIAL (UG/G)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	MERCURY RECOV. FM BOTTOM MATERIAL (UG/G AS HG)	ZINC, DISSOLVED (UG/L AS ZN)	ZINC, RECOV. FM BOTTOM MATERIAL (UG/G AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	PCB, TOTAL (UG/L)	PCB, TOTAL IN BOTTOM MATERIAL (UG/KG)	NAPHTHALENES, POLYCHLOR. TOTAL (UG/L)
NOV 07...	10	540	.1	.02	10	40	11	.00	7	.0	2	.00

DATE	PCN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	CHLORDANE, TOTAL (UG/L)	CHLORDANE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDE, TOTAL (UG/L)	DDE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIAZINON, TOTAL (UG/L)
NOV 07...	0	.00	.0	.0	0	.00	14	.00	13	.00	.0	.00

DATE	DIAZINON, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIELORIN TOTAL (UG/L)	DIELDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDOSULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ENDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ETHION, TOTAL (UG/L)	ETHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR, TOTAL (UG/L)	HEPTACHLOR, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR EPOXIDE TOTAL (UG/L)	HEPTACHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)
NOV 07...	.0	.01	.1	.00	.00	.0	.00	.0	.00	.0	.00	.0

DATE	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOTTOM MATERIAL (UG/KG)	MALATHION, TOTAL (UG/L)	MALATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	METHOXYCHLOR, TOTAL (UG/L)	METHOXYCHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARATHION, TOTAL (UG/L)	METHYL PARATHION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRITHION, TOTAL (UG/L)	METHYL TRITHION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, TOTAL (UG/L)
NOV 07...	.00	.0	.00	.0	.00	.0	.01	.0	.00	.0	.00

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

RED RIVER BASIN

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

07370190 TENSAS RIVER AT CLAYTON, LA--Continued

DATE	MIREX, TOTAL IN BOTTOM MATERIAL (UG/KG)	PARATHION, TOTAL (UG/L)	PARATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	PERTHANE TOTAL (UG/L)	TOXAPHENE, TOTAL (UG/L)	TOXAPHENE, TOTAL IN BOTTOM MATERIAL (UG/KG)	TOTAL TRITHION (UG/L)	TRITHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	2,4-D, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
NOV 07...	.0	.00	.0	.00	0	0	.00	.0	.10	.12	.00

07371515 MUDDY CREEK AT STATE HWY 4, NEAR DANVILLE, LA

DATE	TIME	STREAMFLOW, INSTANTANEOUS (CFS)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE, WATER (DEG C)	COLOR (PLATINUM COBALT UNITS)	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)
NOV 29...	1500	.56	53	7.4	8.5	20	13	9
JUN 17...	1100	--	86	6.5	23.0	50	28	0

DATE	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM ADSORPTION RATIO	POTASSIUM, DISSOLVED (MG/L AS K)	BICARBONATE (MG/L AS HCO3)	CARBONATE (MG/L AS CO3)	ALKALINITY (MG/L AS CACO3)
NOV 29...	3.1	1.3	3.4	32	.4	2.4	5	0	4
JUN 17...	4.5	4.1	2.0	13	.2	1.0	40	0	33

DATE	CARBON DIOXIDE DISSOLVED (MG/L AS CO2)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	FLUORIDE, DISSOLVED (MG/L AS F)	SILICA, DISSOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS NO3)
NOV 29...	.3	8.4	6.5	.1	14	54	45	.46
JUN 17...	21	.0	.0	.1	17	61	53	2.3

DATE	ALUMINUM, DISSOLVED (UG/L AS AL)	ANTIMONY, DISSOLVED (UG/L AS SB)	ARSENIC DISSOLVED (UG/L AS AS)	BARIUM, DISSOLVED (UG/L AS BA)	BERYLLIUM, DISSOLVED (UG/L AS BE)	CADMIUM DISSOLVED (UG/L AS CD)	CHROMIUM, DISSOLVED (UG/L AS CR)	COBALT, DISSOLVED (UG/L AS CO)	COPPER, DISSOLVED (UG/L AS CU)	IRON, DISSOLVED (UG/L AS FE)
NOV 29...	--	--	--	--	--	--	--	--	--	1200
JUN 17...	70	0	1	100	10	0	0	15	2	630

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

07371515 MUDDY CREEK AT STATE HWY 4, NEAR DANVILLE, LA--Continued

DATE	LEAD, DIS- SOLVED (UG/L AS PB)	LITHIUM DIS- SOLVED (UG/L AS LI)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MERCURY DIS- SOLVED (UG/L AS HG)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO)	NICKEL, DIS- SOLVED (UG/L AS NI)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	SILVER, DIS- SOLVED (UG/L AS AG)	ZINC, DIS- SOLVED (UG/L AS ZN)
NOV 29...	--	--	1900	--	--	--	--	--	--
JUN 17...	0	0	8600	.1	0	2	0	0	240

DATE	GROSS ALPHA, DIS- SOLVED (UG/L AS U-NAT)	GROSS ALPHA, DIS- SOLVED (PCI/L AS U-NAT)	GROSS BETA, DIS- SOLVED (PCI/L AS CS-137)	GROSS BETA, DIS- SOLVED (PCI/L AS SR/ YT-90)	CESIUM 137 DIS- SOLVED (PCI/L)	POTAS- SIUM 40 TOTAL (PCI/L)	RADIUM 226, DIS- SOLVED, RADON METHOD (PCI/L)	STRON- TIUM 90 DIS- SOLVED (PCI/L)	TRITIUM TOTAL (PCI/L)	URANIUM DIS- SOLVED, EXTRAC- TION (UG/L)
NOV 29...	2.5	1.7	4.4	4.0	<1.0	1.7	.07	.6	49	<5.0

07371540 FOUSE BAYOU AT STATE HIGHWAY 155, NEAR DANVILLE, LA

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE, WATER (DEG C)	COLOR (PLAT- INUM COBALT UNITS)	HARD- NESS (MG/L AS CACO3)	HARD- NESS, NONCAR- BONATE (MG/L CACO3)
NOV 29...	1300	.05	617	6.8	8.5	20	62	49
JUN 17...	1300	--	70	6.2	23.5	10	15	0

DATE	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM AD- SORP- TION RATIO	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	BICAR- BONATE (MG/L AS HCO3)	CAR- BONATE (MG/L AS CO3)	ALKA- LINITY (MG/L AS CACO3)
NOV 29...	20	2.9	94	76	5.2	3.4	16	0	13
JUN 17...	5.1	.6	7.1	49	.8	1.0	26	0	21

DATE	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO2)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L)	NITRO- GEN, NITRATE TOTAL (MG/L AS NO3)
NOV 29...	4.0	39	160	.1	14	373	345	.41
JUN 17...	26	1.4	5.7	.0	19	52	56	2.1

DATE	ALUM- INUM, DIS- SOLVED (UG/L AS AL)	ANTI- MONY, DIS- SOLVED (UG/L AS SB)	ARSENIC DIS- SOLVED (UG/L AS AS)	BARIUM, DIS- SOLVED (UG/L AS BA)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR)	COBALT, DIS- SOLVED (UG/L AS CO)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, DIS- SOLVED (UG/L AS FE)
NOV 29...	--	--	--	--	--	--	--	--	--	920
JUN 17...	10	0	1	0	0	0	0	0	0	190

< Actual value is known to be less than the value shown.

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

RED RIVER BASIN

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

07371540 BOUSE BAYOU AT STATE HIGHWAY 155, NEAR DANVILLE, LA--Continued

DATE	LEAD, DISSOLVED (UG/L AS PB)	LITHIUM DISSOLVED (UG/L AS LI)	MANGANESE, DISSOLVED (UG/L AS MN)	MERCURY DISSOLVED (UG/L AS HG)	MOLYBDENUM, DISSOLVED (UG/L AS MO)	NICKEL, DISSOLVED (UG/L AS NI)	SELENIUM, DISSOLVED (UG/L AS SE)	SILVER, DISSOLVED (UG/L AS AG)	ZINC, DISSOLVED (UG/L AS ZN)
NOV 29...	--	--	1900	--	--	--	--	--	--
JUN 17...	0	0	380	.0	0	0	0	0	10

DATE	GROSS ALPHA, DISSOLVED (UG/L AS U-NAT)	GROSS ALPHA, DISSOLVED (PCI/L AS U-NAT)	GROSS BETA, DISSOLVED (PCI/L AS CS-137)	GROSS BETA, DISSOLVED (PCI/L AS SR/YT-90)	CESIUM 137 DISSOLVED (PCI/L)	POTASSIUM 40 TOTAL (PCI/L)	RADIUM 226, DISSOLVED, RADON METHOD (PCI/L)	STRONTIUM 90 DISSOLVED (PCI/L)	TRITIUM TOTAL (PCI/L)	URANIUM DISSOLVED, EXTRACTION (UG/L)
NOV 29...	<6.3	<4.3	<2.6	<2.5	<1.0	2.1	.07	.0	28	<.50

07373227 DEVILS CREEK NORTHWEST OF NEBO, LA

DATE	TIME	STREAMFLOW, INSTANTANEOUS (CFS)	PH (UNITS)	TEMPERATURE, WATER (DEG C)	CHLORIDE, DISSOLVED (MG/L AS CL)
AUG 19...	1435	1.4	7.1	29.0	270

07373228 DEVILS CREEK WEST OF NEBO, LA

DATE	TIME	STREAMFLOW, INSTANTANEOUS (CFS)	PH (UNITS)	TEMPERATURE, WATER (DEG C)	CHLORIDE, DISSOLVED (MG/L AS CL)
AUG 19...	1345	1.8	7.0	30.5	240

07373230 DEVILS CREEK AT STATE HIGHWAY 127, NEAR NEBO, LA

DATE	TIME	STREAMFLOW, INSTANTANEOUS (CFS)	PH (UNITS)	TEMPERATURE, WATER (DEG C)	CHLORIDE, DISSOLVED (MG/L AS CL)
AUG 19...	1300	2.8	6.9	28.5	220

07373231 DEVILS CREEK WEST OF STATE HIGHWAY 777, NEAR NEBO, LA

DATE	TIME	STREAMFLOW, INSTANTANEOUS (CFS)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE, WATER (DEG C)	COLOR (PLATINUM COBALT UNITS)	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)
AUG 19...	1015	3.0	808	6.8	27.5	0	48	41	11	5.0

< Actual value is known to be less than the value shown.

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

RED RIVER BASIN

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

07373231 DEVILS CREEK WEST OF STATE HIGHWAY 777, NEAR NEBO, LA--Continued

DATE	SODIUM, DISSOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM ADSORPTION RATIO	POTASSIUM, DISSOLVED (MG/L AS K)	BICARBONATE (MG/L AS HCO3)	CARBONATE (MG/L AS CO3)	ALKALINITY (MG/L AS CACO3)	CARBON DIOXIDE DISSOLVED (MG/L AS CO2)	SULFATE DISSOLVED (MG/L AS SO4)
AUG 19...	130	85	8.2	3.0	8	0	7	2.0	1.4

DATE	CHLORIDE, DISSOLVED (MG/L AS CL)	FLUORIDE, DISSOLVED (MG/L AS F)	SILICA, DISSOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L)	SOLIDS, DISSOLVED (TONS PER AC-FT)	NITROGEN, NITRATE TOTAL (MG/L AS NO3)	IRON, DISSOLVED (UG/L AS FE)	MANGANESE, DISSOLVED (UG/L AS MN)
AUG 19...	240	.0	14	482	409	.66	.00	100	160

07373232 DEVILS CREEK SOUTH OF NEBO, LA

DATE	TIME	STREAMFLOW, INSTANTANEOUS (CFS)	PH (UNITS)	TEMPERATURE, WATER (DEG C)	CHLORIDE, DISSOLVED (MG/L AS CL)
AUG 19...	1215	2.3	6.4	28.0	250

313625092110900 DEVILS CREEK 2.9 MILES NORTHWEST OF NEBO, LA

DATE	TIME	STREAMFLOW, INSTANTANEOUS (CFS)	PH (UNITS)	TEMPERATURE, WATER (DEG C)	CHLORIDE, DISSOLVED (MG/L AS CL)
AUG 19...	1510	.08	7.1	28.5	110

313625092111000 DEVILS CREEK TRIBUTARY 3.0 MILES NORTHWEST OF NEBO, LA

DATE	TIME	STREAMFLOW, INSTANTANEOUS (CFS)	PH (UNITS)	TEMPERATURE, WATER (DEG C)	CHLORIDE, DISSOLVED (MG/L AS CL)
AUG 19...	1520	.10	7.3	27.0	2.2

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

RED RIVER BASIN

07373269 BLACK RIVER NEAR SERENA, LA

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE, WATER (DEG C)	COLOR (PLATINUM COBALT UNITS)	TURBIDITY (JTU)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)
NOV 07...	1445	365	6.9	19.5	40	20	8.1	1.0	K5	K200	81	10
JAN 10...	1015	140	6.3	8.0	80	35	11.2	3.8	K55	560	30	13
APR 10...	1030	81	5.9	19.0	70	55	6.8	1.3	K36	--	21	9
JUL 17...	0830	167	6.5	31.5	60	15	5.6	1.1	--	300	37	6

DATE	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM ADSORPTION RATIO	POTASSIUM, DISSOLVED (MG/L AS K)	BICARBONATE (MG/L AS HCO3)	CARBONATE (MG/L AS CO3)	ALKALINITY (MG/L AS CACO3)	CARBON DIOXIDE DISSOLVED (MG/L AS CO2)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)
NOV 07...	21	7.0	36	58	1.7	3.7	87	0	71	18	18	55
JAN 10...	8.2	2.2	14	59	1.1	.6	20	0	16	16	10	23
APR 10...	5.7	1.6	6.7	38	.6	2.0	14	0	11	28	5.6	12
JUL 17...	11	2.3	16	46	1.1	3.3	37	0	30	19	19	25

DATE	FLUORIDE, DISSOLVED (MG/L AS F)	SILICA, DISSOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L)	SOLIDS, DISSOLVED (TONS PER AC-FT)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS NO3)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS TOTAL (MG/L AS PO4)
NOV 07...	.1	9.6	199	193	.27	.45	.77	1.2	5.4	.070	.21
JAN 10...	.1	8.3	101	76	.14	.15	.95	1.1	4.9	.120	.37
APR 10...	.0	5.7	58	46	.08	.13	1.2	1.3	5.9	.150	.46
JUL 17...	.3	10	106	105	.14	.10	.91	1.0	4.5	.110	.34

DATE	ARSENIC DISSOLVED (UG/L AS AS)	ARSENIC TOTAL IN BOTTOM MATERIAL (UG/G AS AS)	CADMIUM DISSOLVED (UG/L AS CD)	CADMIUM RECOV. FM BOTTOM MATERIAL (UG/G AS CD)	CHROMIUM, RECOV. FM BOTTOM MATERIAL (UG/G)	CHROMIUM, HEXAVALENT, DIS. (UG/L AS CR)	COPPER, DISSOLVED (UG/L AS CU)	COPPER, RECOV. FM BOTTOM MATERIAL (UG/G AS CU)	IRON, DISSOLVED (UG/L AS FE)	IRON, RECOV. FM BOTTOM MATERIAL (UG/G AS FE)	LEAD, DISSOLVED (UG/L AS PB)	LEAD, RECOV. FM BOTTOM MATERIAL (UG/G AS PB)
NOV 07...	1	7	<1	0	5	0	3	11	140	7500	0	10

DATE	MANGANESE, DISSOLVED (UG/L AS MN)	MANGANESE, RECOV. FM BOTTOM MATERIAL (UG/G)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	MERCURY RECOV. FM BOTTOM MATERIAL (UG/G AS HG)	ZINC, DISSOLVED (UG/L AS ZN)	ZINC, RECOV. FM BOTTOM MATERIAL (UG/G AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	PCB, TOTAL (UG/L)	PCB, TOTAL IN BOTTOM MATERIAL (UG/KG)	NAPHTHALENES, POLYCHLOR. TOTAL (UG/L)
NOV 07...	40	230	.1	.01	6	33	7.4	.00	0	.0	0	.00

< Actual value is known to be less than the value shown.

K Results based on colony count outside the acceptable range (non-ideal count).

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

RED RIVER BASIN

07373269 BLACK RIVER NEAR SERENA, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	PCN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	CHLORDANE, TOTAL (UG/L)	CHLORDANE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDE, TOTAL (UG/L)	DDE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOTTOM MATERIAL (UG/KG)	DI-AZINON, TOTAL (UG/L)
NOV 07...	0	.00	.0	.0	0	.00	.0	.00	.0	.00	.5	.00

DATE	DI-AZINON, TOTAL IN BOTTOM MATERIAL (UG/KG)	DI-ELDRIN TOTAL (UG/L)	DI-ELDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDO-SULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ENDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ETHION, TOTAL (UG/L)	ETHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTA-CHLOR, TOTAL (UG/L)	HEPTA-CHLOR, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTA-CHLOR EPOXIDE TOTAL (UG/L)	HEPTA-CHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)
NOV 07...	.0	.00	.0	.00	.00	.0	.00	.0	.00	.0	.00	.0

DATE	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOTTOM MATERIAL (UG/KG)	MALA-THION, TOTAL (UG/L)	MALA-THION, TOTAL IN BOTTOM MATERIAL (UG/KG)	METH-OXY-CHLOR, TOTAL (UG/L)	METH-OXY-CHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARA-THION, TOTAL (UG/L)	METHYL PARA-THION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRI-THION, TOTAL (UG/L)	METHYL TRI-THION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, TOTAL (UG/L)
NOV 07...	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00

DATE	MIREX, TOTAL IN BOTTOM MATERIAL (UG/KG)	PARA-THION, TOTAL (UG/L)	PARA-THION, TOTAL IN BOTTOM MATERIAL (UG/KG)	PER-THANE TOTAL (UG/L)	TOX-APHENE, TOTAL (UG/L)	TOXA-PHENE, TOTAL IN BOTTOM MATERIAL (UG/KG)	TOTAL TRI-THION (UG/L)	TRI-THION, TOTAL IN BOTTOM MATERIAL (UG/KG)	2,4-D, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
NOV 07...	.0	.00	.0	.00	0	0	.00	.0	.04	.06	.00

RED RIVER BASIN

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

310408091424500 RED RIVER ABOVE OLD RIVER OUTFLOW CHANNEL ABOVE SIMMESPORT, LA

DATE	INSTANTANEOUS DISCHARGE (CFS)	SUSPENDED SEDIMENT (MG/L)	SUSPENDED SEDIMENT DISCHARGE (T/DAY)	SUS. SED. SIEVE DIAM. % FINER THAN .062 MM
OCT				
05...	95000	109	28000	95
20...	73000	355	70000	99
NOV				
03...	6700	102	1850	99
17...	9700	246	6440	97
DEC				
01...	28300	229	17500	98
15...	47200	204	26000	99
JAN				
12...	118000	806	257000	81
26...	178000	1352	650000	67
FEB				
09...	173000	615	287000	68
23...	141000	1071	408000	54
MAR				
09...	173000	1012	473000	84
23...	106000	160	45800	91
APR				
29...	98000	224	59300	89
MAY				
11...	167000	313	141000	95
25...	174000	241	113000	81
JUN				
07...	203000	848	465000	85
22...	171000	1241	573000	68
JUL				
06...	95300	398	102000	89
20...	56700	189	28900	98
AUG				
03...	36900	281	28000	97
17...	21100	135	7690	96
31...	14000	94	3550	91
SEP				
14...	20100	100	5430	97

SABINE RIVER BASIN

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

08023375 BAYOU SAN PATRICIO AT OXFORD, LA

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	SUSPENDED SEDIMENT (MG/L)	SUSPENDED SEDIMENT DISCHARGE (T/DAY)	SUS. SED. SIEVE DIAM. % FINER THAN .062 MM
APR					
12...	1510	1670	796	3590	80
14...	1410	484	37	48	97
16...	1215	76	38	7.8	97
MAY					
16...	1915	1130	51	156	85
28...	1430	.66	47	.08	94

08027450 LAKE VERNON (UPPER ANACOCO LAKE) AT DAM NEAR LEESVILLE, LA

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE, WATER (DEG C)	COLOR (PLATINUM COBALT UNITS)	TURBIDITY (JTU)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)
NOV												
07...	1530	35	5.6	19.0	30	5	7.9	--	<5	K60	8	2
JAN												
17...	1315	32	6.0	13.0	40	8	11.0	2.4	<5	120	8	3
APR												
24...	0945	28	6.2	19.0	40	10	8.6	2.6	<5	<4	7	3
JUL												
10...	0730	27	6.1	29.0	30	2	6.7	.6	180	K1600	8	0

tual value is known to be less than the value shown.

s based on colony count outside the acceptable range (non-ideal count).

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

SABINE RIVER BASIN

08027450 LAKE VERNON (UPPER ANACOCO LAKE) AT DAM NEAR LEESVILLE, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM AD-SORP-TION RATIO	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	BICAR-BONATE (MG/L AS HCO3)	CAR-BONATE (MG/L AS CO3)	ALKA-LINITY (MG/L AS CACO3)	CARBON DIOXIDE DIS-SOLVED (MG/L AS CO2)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)
NOV 07...	2.1	.7	2.5	36	.4	1.2	8	0	7	32	4.3	3.3
JAN 17...	2.1	.7	2.9	39	.4	1.3	6	0	5	9.6	6.2	2.8
APR 24...	1.7	.6	2.5	40	.4	1.1	5	0	4	5.0	3.2	3.0
JUL 10...	1.9	.7	2.5	37	.4	1.3	11	0	9	14	2.0	3.3

DATE	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L)	SOLIDS, DIS-SOLVED (TONS PER AC-FT)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS NO3)	PHOS-PHORUS, TOTAL (MG/L AS P)	PHOS-PHORUS TOTAL (MG/L AS PO4)
NOV 07...	.0	6.5	36	25	.05	.04	.75	.79	3.5	.020	.06
JAN 17...	.0	5.9	31	25	.04	.08	.67	.75	3.3	.030	.09
APR 24...	.1	6.5	32	21	.04	.08	.93	1.0	4.5	.020	.06
JUL 10...	.1	7.5	31	24	.04	.00	1.0	1.0	4.4	.170	.52

DATE	ARSENIC DIS-SOLVED (UG/L AS AS)	ARSENIC TOTAL IN BOT-TOM MA-TERIAL (UG/G AS AS)	CADMIUM DIS-SOLVED (UG/L AS CD)	CADMIUM RECOV. FM BOT-TOM MA-TERIAL (UG/G AS CD)	CHRO-MIUM, RECOV. FM BOT-TOM MA-TERIAL (UG/G)	CHRO-MIUM, HEXA-VALENT, DIS. (UG/L AS CR)	COPPER, DIS-SOLVED (UG/L AS CU)	COPPER, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS CU)	IRON, DIS-SOLVED (UG/L AS FE)	IRON, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS FE)	LEAD, DIS-SOLVED (UG/L AS PB)	LEAD, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS PB)
JAN 17...	0	3	1	0	3	0	8	1	5900	2100	4	

DATE	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	MANGA-NESE, RECOV. FM BOT-TOM MA-TERIAL (UG/G)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	MERCURY RECOV. FM BOT-TOM MA-TERIAL (UG/G AS HG)	ZINC, DIS-SOLVED (UG/L AS ZN)	ZINC, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	PCB, TOTAL (UG/L)	PCB, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	NAPH-THA-LENES, POLY-CHLOR. TOTAL (UG/L)
JAN 17...	40	280	.0	.02	20	6	6.8	.00	7	.0	0	.00

DATE	PCN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	CHLOR-DANE, TOTAL (UG/L)	CHLOR-DANE, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	DDE, TOTAL (UG/L)	DDE, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	DI-AZINON, TOTAL (UG/L)
JAN 17...	0	.00	.0	.0	0	.00	.3	.00	.1	.00	.0	.00

SABINE RIVER BASIN

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

08027450 LAKE VERNON (UPPER ANACOCO LAKE) AT DAM NEAR LEESVILLE, LA--Continued

DATE	DI-AZINON, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	DI-ELDRIN TOTAL (UG/L)	DI-ELDRIN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	ENDO-SULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ENDRIN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	ETHION, TOTAL (UG/L)	ETHION, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	HEPTA-CHLOR, TOTAL (UG/L)	HEPTA-CHLOR, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	HEPTA-CHLOR EPOXIDE TOTAL (UG/L)	HEPTA-CHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)
JAN 17...	.0	.00	.0	.00	.00	.0	.00	.0	.00	.0	.00	.0

DATE	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	MALA-THION, TOTAL (UG/L)	MALA-THION, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	METH-OXY-CHLOR, TOTAL (UG/L)	METH-OXY-CHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARA-THION, TOTAL (UG/L)	METHYL PARA-THION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRI-THION, TOTAL (UG/L)	METHYL TRI-THION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, TOTAL (UG/L)
JAN 17...	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00

DATE	MIREX, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	PARA-THION, TOTAL (UG/L)	PARA-THION, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	PER-THANE TOTAL (UG/L)	TOX-APHENE, TOTAL (UG/L)	TOXA-PHENE, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	TOTAL TRI-THION (UG/L)	TRI-THION, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	2,4-D, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
JAN 17...	.0	.00	.0	.00	0	0	.00	.0	.00	.00	.00

08027710 ANACOCO LAKE AT DAM NEAR LEESVILLE, LA

DATE	TIME	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	TEMPER-ATURE, WATER (DEG C)	COLOR (PLAT-INUM COBALT UNITS)	TUR-BID-ITY (JTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARD-NESS (MG/L AS CACO3)	HARD-NESS, NONCAR-BONATE (MG/L CACO3)
NOV 08...	0915	30	5.3	17.5	50	--	9.1	1.3	<5	K70	7	3
JAN 18...	0745	39	6.4	16.0	60	10	10.8	2.1	100	160	10	3
APR 24...	1100	31	6.2	21.0	40	10	8.5	3.0	K5	K15	9	3
JUL 10...	0815	37	6.5	30.0	15	2	--	--	K380	4000	12	0

DATE	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM AD-SORP-TION RATIO	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	BICAR-BONATE (MG/L AS HCO3)	CAR-BONATE (MG/L AS CO3)	ALKA-LINITY (MG/L AS CACO3)	CARBON DIOXIDE DIS-SOLVED (MG/L AS CO2)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)
NOV 08...	2.1	.5	2.3	36	.4	1.3	5	0	4	40	4.6	3.1
JAN 18...	3.0	.6	2.9	35	.4	1.3	8	0	7	5.1	5.4	3.9
APR 24...	2.5	.7	2.3	32	.3	1.1	8	0	7	8.0	2.6	3.0
JUL 10...	3.5	.8	3.1	33	.4	1.5	15	0	12	7.7	1.5	3.9

< Actual value is known to be less than the value shown.

K Results based on colony count outside the acceptable range (non-ideal count).

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

SABINE RIVER BASIN

08027710 ANACOCO LAKE AT DAM NEAR LEESVILLE, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	FLUORIDE, DISSOLVED (MG/L AS F)	SILICA, DISSOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L)	SOLIDS, DISSOLVED (TONS PER AC-FT)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS NO3)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS TOTAL (MG/L AS PO4)
NOV 08...	.0	6.8	38	23	.05	.05	1.6	1.7	7.3	.100	.31
JAN 18...	.0	6.8	35	28	.05	.03	.57	.60	2.7	.030	.09
APR 24...	.1	5.5	34	22	.05	.02	.81	.83	3.7	.030	.09
JUL 10...	.1	6.7	49	28	.07	.00	1.1	1.1	4.9	.050	.15

DATE	ARSENIC DISSOLVED (UG/L AS AS)	ARSENIC TOTAL IN BOTTOM MATERIAL (UG/G AS AS)	CADMIUM DISSOLVED (UG/L AS CD)	CADMIUM RECOV. FM BOTTOM MATERIAL (UG/G AS CD)	CHROMIUM, RECOV. FM BOTTOM MATERIAL (UG/G)	CHROMIUM, HEXAVALENT, DIS. (UG/L AS CR)	COPPER, DISSOLVED (UG/L AS CU)	COPPER, RECOV. FM BOTTOM MATERIAL (UG/G AS CU)	IRON, DISSOLVED (UG/L AS FE)	IRON, RECOV. FM BOTTOM MATERIAL (UG/G AS FE)	LEAD, DISSOLVED (UG/L AS PB)	LEAD, RECOV. FM BOTTOM MATERIAL (UG/G AS PB)
JAN 18...	0	1	<1	0	2	0	1	0	100	760	2	15

DATE	MANGANESE, DISSOLVED (UG/L AS MN)	MANGANESE, RECOV. FM BOTTOM MATERIAL (UG/G)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	MERCURY RECOV. FM BOTTOM MATERIAL (UG/G AS HG)	ZINC, DISSOLVED (UG/L AS ZN)	ZINC, RECOV. FM BOTTOM MATERIAL (UG/G AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	PCB, TOTAL (UG/L)	PCB, TOTAL IN BOTTOM MATERIAL (UG/KG)	NAPHTHALENES, POLYCHLOR. TOTAL (UG/L)
JAN 18...	5	290	.0	.02	9	5	7.5	.00	6	.0	0	.00

DATE	PCN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	CHLORDANE, TOTAL (UG/L)	CHLORDANE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDE, TOTAL (UG/L)	DDE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIAZINON, TOTAL (UG/L)
JAN 18...	0	.00	.0	.0	0	.00	.0	.00	.0	.00	.0	.00

DATE	DIAZINON, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIELDRIN TOTAL (UG/L)	DIELDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDOSULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ENDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ETHION, TOTAL (UG/L)	ETHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR, TOTAL (UG/L)	HEPTACHLOR, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR EPOXIDE TOTAL (UG/L)	HEPTACHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)
JAN 18...	.0	.00	.0	.00	.00	.0	.00	.0	.00	.0	.00	.0

DATE	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOTTOM MATERIAL (UG/KG)	MALATHION, TOTAL (UG/L)	MALATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	METHOXYCHLOR, TOTAL (UG/L)	METHOXYCHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARATHION, TOTAL (UG/L)	METHYL PARATHION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRITHION, TOTAL (UG/L)	METHYL TRITHION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, TOTAL (UG/L)
JAN 18...	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00

< Actual value is known to be less than the value shown.

SABINE RIVER BASIN

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

08027710 ANACOCO LAKE AT DAM NEAR LEESVILLE, LA--Continued

DATE	MIREX, TOTAL IN BOTTOM MATERIAL (UG/KG)	PARATHION, TOTAL (UG/L)	PARATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	PERTHANE TOTAL (UG/L)	TOXAPHENE, TOTAL (UG/L)	TOXAPHENE, TOTAL IN BOTTOM MATERIAL (UG/KG)	TOTAL TRITHION (UG/L)	TRITHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	2,4-D, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
JAN 18...	.0	.00	.0	.00	0	0	.00	.0	.00	.00	.00

08028200 BAYOU ANACOCO NEAR KNIGHT, LA

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE, WATER (DEG C)	COLOR (PLATINUM COBALT UNITS)	TURBIDITY (JTU)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)
NOV 08...	1045	510	6.9	17.0	150	10	7.5	3.5	K20	100	30	0
JAN 11...	1115	133	6.6	14.0	120	10	9.1	2.5	--	270	15	0
APR 24...	1200	183	6.9	22.5	100	15	6.1	5.2	K35	K1600	13	0
JUL 10...	0915	300	6.9	28.5	100	4	--	--	K30	740	27	0

DATE	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM ADSORPTION RATIO	POTASSIUM, DISSOLVED (MG/L AS K)	BICARBONATE (MG/L AS HCO3)	CARBONATE (MG/L AS CO3)	ALKALINITY (MG/L AS CACO3)	CARBON DIOXIDE DISSOLVED (MG/L AS CO2)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)
NOV 08...	--	--	94	96	7.4	3.8	89	0	73	18	110	37
JAN 11...	4.7	.9	20	76	2.2	1.6	31	0	25	12	22	9.5
APR 24...	4.2	.6	35	83	4.2	2.1	52	0	43	11	29	11
JUL 10...	8.5	1.3	48	78	4.1	2.9	64	0	52	13	47	26

DATE	FLUORIDE, DISSOLVED (MG/L AS F)	SILICA, DISSOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS NO3)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS TOTAL (MG/L AS PO4)	CARBON, ORGANIC TOTAL (MG/L AS C)
NOV 08...	.1	16	304	--	.08	--	--	--	.500	1.5	24
JAN 11...	.1	13	96	87	.11	.94	1.0	4.6	.080	.25	16
APR 24...	.1	12	135	120	.09	--	--	--	.060	.18	19
JUL 10...	.2	19	211	185	.29	1.0	1.3	5.7	.140	.43	15

K Results based on colony count outside the acceptable range (non-ideal count).

SABINE RIVER BASIN

08028200 BAYOU ANACOCO NEAR KNIGHT, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	ARSENIC TOTAL (UG/L AS AS)	ARSENIC SUS-PENDED TOTAL (UG/L AS AS)	ARSENIC DIS-SOLVED (UG/L AS AS)	ARSENIC TOTAL IN BOT-TOM MA-TERIAL (UG/G AS AS)	BERYL-LIUM, TOTAL RECOV-ERABLE (UG/L AS BE)	BERYL-LIUM, SUS-PENDED RECOV. (UG/L AS BE)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)	CADMIUM SUS-PENDED RECOV-ERABLE (UG/L AS CD)	CADMIUM DIS-SOLVED (UG/L AS CD)	CADMIUM RECOV. FM BOT-TOM MA-TERIAL (UG/G AS CD)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR)
NOV 08...	1	--	2	0	0	0	0	--	--	4	0	0
APR 24...	1	1	0	0	0	--	<1	1	0	1	0	0

DATE	CHRO-MIUM, RECOV. FM BOT-TOM MA-TERIAL (UG/G)	CHRO-MIUM, HEXA-VALENT, DIS. (UG/L AS CR)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	COPPER, SUS-PENDED RECOV-ERABLE (UG/L AS CU)	COPPER, DIS-SOLVED (UG/L AS CU)	COPPER, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS CU)	IRON, DIS-SOLVED (UG/L AS FE)	IRON, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS FE)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	LEAD, SUS-PENDED RECOV-ERABLE (UG/L AS PB)	LEAD, DIS-SOLVED (UG/L AS PB)	LEAD, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS PB)
NOV 08...	6	0	--	--	4	250	280	76	--	--	6	500
APR 24...	1	1	5	3	2	1	190	130	3	1	2	0

DATE	MANGA-NESE, RECOV. FM BOT-TOM MA-TERIAL (UG/G)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	MERCURY DIS-SOLVED (UG/L AS HG)	MERCURY RECOV. FM BOT-TOM MA-TERIAL (UG/G AS HG)	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI)	NICKEL, SUS-PENDED RECOV-ERABLE (UG/L AS NI)	NICKEL, DIS-SOLVED (UG/L AS NI)	SELE-NIUM, TOTAL (UG/L AS SE)	SELE-NIUM, SUS-PENDED TOTAL (UG/L AS SE)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)	VANA-DIUM, DIS-SOLVED (UG/L AS V)
NOV 08...	20	.0	.1	.00	--	--	6	0	0	0	6.0
APR 24...	6	.1	.2	.07	4	4	0	0	0	0	3.0

DATE	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)	ZINC, SUS-PENDED RECOV-ERABLE (UG/L AS ZN)	ZINC, DIS-SOLVED (UG/L AS ZN)	ZINC, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS ZN)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	PCB, TOTAL (UG/L)	PCB, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	NAPH-THA-LENES, POLY-CHLOR, TOTAL (UG/L)	PCN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	ALDRIN, TOTAL (UG/L)
NOV 08...	50	30	20	1	.00	23	.0	0	.00	.0	.00
APR 24...	20	10	6	2	.00	19	.0	0	.00	.0	.00

DATE	ALDRIN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	CHLOR-DANE, TOTAL (UG/L)	CHLOR-DANE, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	DDE, TOTAL (UG/L)	DDE, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	DI-AZINON, TOTAL (UG/L)	DI-AZINON, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)
NOV 08...	.0	.0	0	.00	.0	.00	.0	.00	.0	.00	.0
APR 24...	.0	.0	0	.00	.0	.00	.0	.00	.0	.00	.0

< Actual value is known to be less than the value shown.

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

SABINE RIVER BASIN

08028200 BAYOU ANACOCO NEAR KNIGHT, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	DIELDRIN TOTAL (UG/L)	DIELDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDOSULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ENDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ETHION, TOTAL (UG/L)	ETHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR, TOTAL (UG/L)	HEPTACHLOR, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR EPOXIDE TOTAL (UG/L)	HEPTACHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)
NOV											
08...	.00	.0	.00	.00	.0	.00	.0	.00	.0	.00	.0
APR											
24...	.00	.0	.00	.00	.0	.00	.0	.00	.0	.00	.0

DATE	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOTTOM MATERIAL (UG/KG)	MALATHION, TOTAL (UG/L)	MALATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	METHOXYCHLOR, TOTAL (UG/L)	METHOXYCHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARATHION, TOTAL (UG/L)	METHYL PARATHION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRITHION, TOTAL (UG/L)	METHYL TRITHION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, TOTAL (UG/L)
NOV											
08...	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
APR											
24...	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00

DATE	MIREX, TOTAL IN BOTTOM MATERIAL (UG/KG)	PARATHION, TOTAL (UG/L)	PARATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	PERTHANE TOTAL (UG/L)	TOXAPHENE, TOTAL (UG/L)	TOXAPHENE, TOTAL IN BOTTOM MATERIAL (UG/KG)	TOTAL TRITHION (UG/L)	TRITHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	2,4-D, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
NOV											
08...	.0	.00	.0	.00	0	0	.00	.0	.03	.00	.00
APR											
24...	.0	.00	.0	.00	0	0	.00	.0	.00	.00	.00

RED RIVER WATERWAYS PROJECT

The following water-quality data were collected in cooperation with the Corps of Engineers to provide background data for the Red River Waterways Project.

323306093435500 RED RIVER (SITE 106), NEAR BROWNLEE, LA

WATER QUALITY DATA

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)
SEP , 1979 17...	1010	1140	8.0	5	15	7.7	1.9	1100	260	110	71	21
OCT 01...	0935	411	6.2	10	60	4.4	4.2	7600	71	27	18	6.3

DATE	BICARBONATE (MG/L AS HCO3)	CARBONATE (MG/L AS CO3)	ALKALINITY (MG/L AS CACO3)	CARBON DIOXIDE DISSOLVED (MG/L AS CO2)	SULFATE DISSOLVED (MG/L AS SO4)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	SOLIDS, DISSOLVED (TONS PER AC-FT)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)	SOLIDS, NONVOLATILE, SUSPENDED (MG/L)	SOLIDS, VOLATILE, SUSPENDED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)
SEP , 1979 17...	182	0	149	2.9	130	669	.91	29	6	23	.00	.02
OCT 01...	54	0	44	54	43	424	.58	71	63	8	.00	.02

DATE	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS NH4)	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, NH4 + ORG. SUSP. TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS NO3)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHATE, TOTAL (MG/L AS PO4)	PHOSPHORUS TOTAL (MG/L AS PO4)
SEP , 1979 17...	.02	.40	.48	1.1	1.5	.92	.58	1.5	6.7	.07	.03	.21
OCT 01...	.02	2.0	2.4	2.6	4.6	2.6	2.0	4.6	20	.64	.71	2.0

DATE	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CADMIUM SUSPENDED RECOVERABLE (UG/L AS CD)	CADMIUM DISSOLVED (UG/L AS CD)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	COPPER, SUSPENDED RECOVERABLE (UG/L AS CU)	COPPER, DISSOLVED (UG/L AS CU)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	MANGANESE, SUSPENDED RECOV. (UG/L AS MN)	MANGANESE, DISSOLVED (UG/L AS MN)	MERCURY DISSOLVED (UG/L AS HG)	PCB, TOTAL (UG/L)
SEP , 1979 17...	.01	1	0	1	1	0	1	160	160	2	.0	.0
OCT 01...	.23	1	0	1	4	1	3	200	100	100	.1	.2

DATE	NAPHTHALENES, POLYCHLOR. TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	CHLORDANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)	DDE, TOTAL (UG/L)	DDT, TOTAL (UG/L)	DIAZINON, TOTAL (UG/L)	DIELDRIN TOTAL (UG/L)	ENDOSULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ETHION, TOTAL (UG/L)
SEP , 1979 17...	.00	.000	.0	.000	.000	.000	.00	.000	.000	.000	.00
OCT 01...	.00	.000	.0	.000	.000	.000	--	.010	.000	.000	--

RED RIVER WATERWAYS PROJECT--Continued

323306093435500 RED RIVER (SITE 106), NEAR BROWNLEE, LA--Continued

WATER QUALITY DATA

DATE	HEPTA-CHLOR, TOTAL (UG/L)	HEPTA-CHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MALA-THION, TOTAL (UG/L)	METH-OXY-CHLOR, TOTAL (UG/L)	METHYL PARA-THION, TOTAL (UG/L)	METHYL TRI-THION, TOTAL (UG/L)	MIREX, TOTAL (UG/L)	PARA-THION, TOTAL (UG/L)	PER-THANE TOTAL (UG/L)	TOX-APHENE, TOTAL (UG/L)
SEP , 1979											
17...	.000	.000	.000	.00	.00	.00	.00	.00	.00	.00	.0
OCT											
01...	.000	.000	.000	--	.00	--	--	.00	--	--	.0

DATE	TOTAL TRI-THION (UG/L)	2,4-D, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)
SEP , 1979						
17...	.00	.00	.00	.00	21.2	.000
OCT						
01...	--	.00	.00	.00	15.7	.000

RED RIVER WATERWAYS PROJECT--Continued

323213093472500 TWELVEMILE BAYOU (SITE 32), NEAR NORTH SHREVEPORT, LA

WATER QUALITY DATA

DATE	TIME	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	COLOR (PLAT-INUM-COBALT UNITS)	TUR-BID-ITY (JTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./100 ML)	HARD-NESS (MG/L AS CACO3)	HARD-NESS, NONCAR-BONATE (MG/L CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)
SEP , 1979 17...	1000	392	7.1	15	15	6.4	--	K28000	110	45	29
OCT 01...	0920	131	6.6	20	65	7.4	1.8	1600	52	34	16

DATE	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	BICAR-BONATE (MG/L AS HCO3)	CAR-BONATE (MG/L AS CO3)	ALKA-LINITY (MG/L AS CACO3)	CARBON DIOXIDE DIS-SOLVED (MG/L AS CO2)	SULFATE DIS-SOLVED (MG/L AS SO4)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, DIS-SOLVED (TONS PER AC-FT)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)	SOLIDS, NON-VOLA-TILE, SUS-PENDED (MG/L)
SEP , 1979 17...	9.4	80	0	66	10	29	247	.34	35	22
OCT 01...	2.9	22	0	18	8.8	21	86	.12	75	60

DATE	SOLIDS, VOLA-TILE, SUS-PENDED (MG/L)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS NH4)	PHOS-PHORUS, TOTAL (MG/L AS P)	PHOS-PHATE, TOTAL (MG/L AS PO4)	PHOS-PHORUS TOTAL (MG/L AS PO4)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P)
SEP , 1979 17...	13	.01	.02	.03	.27	.33	.12	.18	.37	.06
OCT 01...	15	.00	.02	.02	.08	.10	--	.06	--	.02

DATE	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)
SEP , 1979 17...	11.1	.000
OCT 01...	14.3	.000

K Results based on colony count outside the acceptable range (non-ideal count).

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

RED RIVER WATERWAYS PROJECT--Continued

323155093444070 RED RIVER AT MILE 278.7 AT LUCAS STREET (SITE 33), AT SHREVEPORT, LA

WATER QUALITY DATA

DATE	TIME	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	COLOR (PLAT-INUM-COBALT UNITS)	TUR-BID-ITY (JTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./100 ML)	HARD-NESS (MG/L AS CACO3)	HARD-NESS, NONCAR-BONATE (MG/L CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)
SEP , 1979											
17...	1150	1220	8.1	10	10	8.3	2.2	7800	300	140	82
OCT											
02...	0830	560	6.7	30	60	5.8	--	--	110	60	33

DATE	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	BICAR-BONATE (MG/L AS HCO3)	CAR-BONATE (MG/L AS CO3)	ALKA-LINITY (MG/L AS CACO3)	CARBON DIOXIDE DIS-SOLVED (MG/L AS CO2)	SULFATE DIS-SOLVED (MG/L AS SO4)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, DIS-SOLVED (TONS PER AC-FT)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)	SOLIDS, NON-VOLA-TILE, SUS-PENDED (MG/L)
SEP , 1979										
17...	23	200	0	164	2.6	140	713	.97	21	21
OCT										
02...	6.8	61	0	50	20	62	351	.48	42	34

DATE	SOLIDS, VOLA-TILE, SUS-PENDED (MG/L)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS NH4)	PHOS-PHORUS, TOTAL (MG/L AS P)	PHOS-PHATE, TOTAL (MG/L AS PO4)	PHOS-PHORUS TOTAL (MG/L AS PO4)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P)
SEP , 1979										
17...	0	.00	.02	.02	.37	.45	.09	.06	.28	.02
OCT										
02...	8	11	.41	11	.46	.56	7.9	22	24	7.3

DATE	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)
SEP , 1979		
17...	47.5	.000
OCT		
02...	.000	.000

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

RED RIVER WATERWAYS PROJECT--Continued

323135093445470 RED RIVER AT MILE 278.3 AT FANNIN STREET (SITE 34), AT SHREVEPORT, LA

WATER QUALITY DATA

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	OXYGEN, DISSOLVED (MG/L)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	CALCIUM DISSOLVED (MG/L AS CA)
SEP , 1979										
17...	1010	1140	8.0	15	15	7.5	K3200	270	120	74
OCT										
01...	0930	632	6.4	30	65	.0	--	100	16	29

DATE	MAGNESIUM, DISSOLVED (MG/L AS MG)	BICARBONATE (MG/L AS HCO3)	CARBONATE (MG/L AS CO3)	ALKALINITY (MG/L AS CACO3)	CARBON DIOXIDE DISSOLVED (MG/L AS CO2)	SULFATE DISSOLVED (MG/L AS SO4)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	SOLIDS, DISSOLVED (TONS PER AC-FT)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)	SOLIDS, NONVOLATILE, SUSPENDED (MG/L)
SEP , 1979										
17...	20	182	0	149	2.9	130	664	.90	26	1
OCT										
01...	7.7	108	0	89	68	45	344	.47	142	80

DATE	SOLIDS, VOLATILE, SUSPENDED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS NH4)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHATE, TOTAL (MG/L AS PO4)	PHOSPHORUS TOTAL (MG/L AS PO4)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P)
SEP , 1979										
17...	25	.00	.02	.02	.34	.41	.09	.12	.28	.04
OCT										
01...	62	.00	.04	.04	11	13	2.6	4.9	8.0	1.6

DATE	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L)
SEP , 1979		
17...	31.0	.000
OCT		
01...	7.08	.000

K Results based on colony count outside the acceptable range (non-ideal count).

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

RED RIVER WATERWAYS PROJECT--Continued

323025093430570 RED RIVER AT MILE 276.0 AT STONER AVENUE (SITE 35), AT SHREVEPORT, LA

WATER QUALITY DATA

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	CALCIUM DISSOLVED (MG/L AS CA)
SEP , 1979											
17...	1035	1260	8.0	20	10	7.7	.1	7000	300	130	83
OCT											
01...	1035	651	6.2	30	65	.0	--	--	99	0	27

DATE	MAGNESIUM, DISSOLVED (MG/L AS MG)	BICARBONATE (MG/L AS HCO3)	CARBONATE (MG/L AS CO3)	ALKALINITY (MG/L AS CACO3)	CARBON DIOXIDE DISSOLVED (MG/L AS CO2)	SULFATE DISSOLVED (MG/L AS SO4)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	SOLIDS, DISSOLVED (TONS PER AC-FT)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)	SOLIDS, NONVOLATILE, SUSPENDED (MG/L)
SEP , 1979										
17...	22	200	0	164	3.2	140	735	1.00	21	4
OCT										
01...	7.6	140	0	115	140	30	280	.38	42	0

DATE	SOLIDS, VOLATILE, SUSPENDED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS NH4)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHATE, TOTAL (MG/L AS PO4)	PHOSPHORUS TOTAL (MG/L AS PO4)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P)
SEP , 1979										
17...	17	.00	.02	.02	.37	.45	.09	.06	.28	.02
OCT										
01...	106	.00	.02	.02	25	30	8.4	21	26	6.7

DATE	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L)
SEP , 1979		
17...	24.4	.000
OCT		
01...	.000	.000

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

RED RIVER WATERWAYS PROJECT--Continued

323015093425070 RED RIVER AT MILE 275.5 (SITE 36), AT BOSSIER CITY, LA

WATER QUALITY DATA

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	CALCIUM DISSOLVED (MG/L AS CA)
SEP , 1979 17...	1100	1240	8.0	10	7	8.2	2.5	K19600	300	140	83
OCT 01...	1050	794	7.6	40	60	7.9	--	K26000	160	85	43

DATE	MAGNESIUM, DISSOLVED (MG/L AS MG)	BICARBONATE (MG/L AS HCO3)	CARBONATE (MG/L AS CO3)	ALKALINITY (MG/L AS CACO3)	CARBON DIOXIDE DISSOLVED (MG/L AS CO2)	SULFATE DISSOLVED (MG/L AS SO4)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	SOLIDS, DISSOLVED (TONS PER AC-FT)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)	SOLIDS, NONVOLATILE, SUSPENDED (MG/L)
SEP , 1979 17...	23	200	0	164	3.2	140	721	.98	19	7
OCT 01...	12	88	0	72	3.5	90	427	.58	110	93

DATE	SOLIDS, VOLATILE, SUSPENDED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS NH4)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHATE, TOTAL (MG/L AS PO4)	PHOSPHORUS TOTAL (MG/L AS PO4)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P)
SEP , 1979 17...	12	.00	.02	.02	.36	.44	.09	.03	.28	.01
OCT 01...	17	.00	.02	.02	.07	.08	.07	.12	.21	.04

DATE	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L)
SEP , 1979 17...	29.6	.000
OCT 01...	21.8	.000

K Results based on colony count outside the acceptable range (non-ideal count).

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

RED RIVER WATERWAYS PROJECT--Continued

322944093420500 RED RIVER (SITE 31), AT BOSSIER CITY, LA

WATER QUALITY DATA

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	CALCIUM DISSOLVED (MG/L AS CA)
SEP , 1979 17...	1030	1230	8.1	10	10	7.6	1.2	5800	300	140	82
OCT 01...	1000	454	6.9	20	45	7.4	2.2	8400	93	25	26

DATE	MAGNESIUM, DISSOLVED (MG/L AS MG)	BICARBONATE (MG/L AS HCO3)	CARBONATE (MG/L AS CO3)	ALKALINITY (MG/L AS CACO3)	CARBON DIOXIDE DISSOLVED (MG/L AS CO2)	SULFATE DISSOLVED (MG/L AS SO4)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	SOLIDS, DISSOLVED (TONS PER AC-FT)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)	SOLIDS, NONVOLATILE, SUSPENDED (MG/L)
SEP , 1979 17...	24	198	0	162	2.6	140	731	.99	24	8
OCT 01...	6.7	82	0	67	17	60	252	.34	0	0

DATE	SOLIDS, VOLATILE, SUSPENDED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS NH4)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHATE, TOTAL (MG/L AS PO4)	PHOSPHORUS TOTAL (MG/L AS PO4)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P)
SEP , 1979 17...	16	.00	.02	.02	.32	.39	.08	.00	.25	.00
OCT 01...	7	.00	.02	.02	.08	.10	--	.06	--	.02

DATE	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L)
SEP , 1979 17...	38.1	.000
OCT 01...	15.5	.000

RED RIVER WATERWAYS PROJECT--Continued

322752093404900 RED RIVER (SITE 30), AT DIXIE GARDENS, LA

WATER QUALITY DATA

DATE	TIME	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	COLOR (PLAT-INUM-COBALT UNITS)	TUR-BID-ITY (JTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	HARD-NESS (MG/L AS CACO3)	HARD-NESS, NONCAR-BONATE (MG/L CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)
SEP , 1979											
17...	1055	1230	8.1	5	9	8.4	1.8	4800	320	150	87
OCT											
01...	1010	803	7.6	40	75	7.4	--	12000	170	95	49

DATE	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	BICAR-BONATE (MG/L AS HCO3)	CAR-BONATE (MG/L AS CO3)	ALKA-LINITY (MG/L AS CACO3)	CARBON DIOXIDE DIS-SOLVED (MG/L AS CO2)	SULFATE DIS-SOLVED (MG/L AS SO4)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, DIS-SOLVED (TONS PER AC-FT)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)	SOLIDS, NON-VOLA-TILE, SUS-PENDED (MG/L)
SEP , 1979										
17...	24	198	0	162	2.6	140	723	.98	27	26
OCT										
01...	11	88	0	72	3.5	99	437	.59	66	54

DATE	SOLIDS, VOLA-TILE, SUS-PENDED (MG/L)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS NH4)	PHOS-PHORUS, TOTAL (MG/L AS P)	PHOS-PHATE, TOTAL (MG/L AS PO4)	PHOS-PHORUS TOTAL (MG/L AS PO4)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P)
SEP , 1979										
17...	1	.00	.02	.02	.32	.39	.07	.00	.21	.00
OCT										
01...	12	.00	.02	.02	.07	.08	--	.15	--	.05

DATE	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)
SEP , 1979		
17...	26.8	.000
OCT		
01...	19.1	.000

322604093404500 RED RIVER (STIE 29), NEAR DIXIE GARDENS, LA

WATER QUALITY DATA

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	CALCIUM DISSOLVED (MG/L AS CA)
SEP , 1979											
17...	1120	1220	8.1	10	15	8.5	2.3	5000	320	150	87
OCT											
01...	1045	802	7.5	20	45	7.9	.4	K13000	160	86	49

DATE	MAGNESIUM, DISSOLVED (MG/L AS MG)	BICARBONATE (MG/L AS HCO3)	CARBONATE (MG/L AS CO3)	ALKALINITY (MG/L AS CACO3)	CARBON DIOXIDE DISSOLVED (MG/L AS CO2)	SULFATE DISSOLVED (MG/L AS SO4)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	SOLIDS, DISSOLVED (TONS PER AC-FT)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)	SOLIDS, NONVOLATILE, SUSPENDED (MG/L)
SEP , 1979										
17...	24	200	0	164	2.6	140	724	.98	39	22
OCT										
01...	9.8	94	0	77	4.9	99	421	.57	40	27

DATE	SOLIDS, VOLATILE, SUSPENDED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS NH4)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHATE, TOTAL (MG/L AS PO4)	PHOSPHORUS TOTAL (MG/L AS PO4)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P)
SEP , 1979										
17...	17	.00	.02	.02	.35	.42	.08	.03	.25	.01
OCT										
01...	13	.11	.02	.13	.26	.31	.12	.28	.37	.09

DATE	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L)
SEP , 1979		
17...	32.5	.000
OCT		
01...	19.9	.000

K Results based on colony count outside the acceptable range (non-ideal count).

RED RIVER WATERWAYS PROJECT--Continued

322315093394200 RED RIVER (SITE 28), NEAR FORBING, LA

WATER QUALITY DATA

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	CALCIUM DISSOLVED (MG/L AS CA)
SEP , 1979											
17...	1210	1190	8.2	15	9	7.6	1.4	K25800	300	140	82
OCT											
01...	1130	797	7.5	40	65	7.8	.0	7600	160	90	45

DATE	MAGNESIUM, DISSOLVED (MG/L AS MG)	BICARBONATE (MG/L AS HCO3)	CARBONATE (MG/L AS CO3)	ALKALINITY (MG/L AS CACO3)	CARBON DIOXIDE DISSOLVED (MG/L AS CO2)	SULFATE DISSOLVED (MG/L AS SO4)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	SOLIDS, DISSOLVED (TONS PER AC-FT)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)	SOLIDS, NONVOLATILE, SUSPENDED (MG/L)
SEP , 1979										
17...	23	200	0	164	2.0	140	698	.95	15	3
OCT										
01...	11	82	0	67	4.3	100	423	.58	45	36

DATE	SOLIDS, VOLATILE, SUSPENDED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS NH4)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHATE, TOTAL (MG/L AS PO4)	PHOSPHORUS TOTAL (MG/L AS PO4)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P)
SEP , 1979										
17...	12	.03	.02	.05	.39	.47	.17	.21	.52	.07
OCT										
01...	9	.00	.02	.02	.08	.10	--	.25	--	.08

DATE	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L)
SEP , 1979		
17...	40.9	.000
OCT		
01...	22.7	.000

K Results based on colony count outside the acceptable range (non-ideal count).

322129093371900 RED RIVER (SITE 27), NEAR TAYLORTOWN, LA

WATER QUALITY DATA

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	COLOR (PLAT- INUM COBALT UNITS)	TUR- BID- ITY (JTU)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	HARD- NESS (MG/L AS CACO3)	HARD- NESS, NONCAR- BONATE (MG/L CACO3)	CALCIUM DIS- SOLVED (MG/L AS CA)
SEP , 1979											
17...	1230	1170	8.0	20	9	8.4	1.0	8400	310	150	84
OCT											
02...	0835	777	6.8	30	60	6.0	5.1	--	110	60	28

DATE	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	BICAR- BONATE (MG/L AS HCO3)	CAR- BONATE (MG/L AS CO3)	ALKA- LINITY (MG/L AS CACO3)	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO2)	SULFATE DIS- SOLVED (MG/L AS SO4)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDED (MG/L)	SOLIDS, NON- VOLA- TILE, SUS- PENDED (MG/L)	SOLIDS, VOLA- TILE, SUS- PENDED (MG/L)
SEP , 1979											
17...	25	200	0	164	3.2	140	696	.95	13	4	9
OCT											
02...	9.8	61	0	50	15	79	476	.65	11	1	10

DATE	NITRO- GEN, NITRATE TOTAL (MG/L AS N)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS NH4)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN,NH4 + ORG, SUSP. TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC DIS. (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS NO3)
SEP , 1979											
17...	.00	.02	.02	.38	.46	--	--	--	--	--	--
OCT											
02...	11	.34	11	.47	.57	3.6	4.1	1.5	2.6	15	67

DATE	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, ORTHOPH OSPHATE TOTAL (MG/L AS PO4)	PHOS- PHORUS, TOTAL (MG/L AS PO4)	PHOS- PHORUS, ORTHOPH OSPHATE TOTAL (MG/L AS P)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)	CADMIUM SUS- PENDED RECOV- ERABLE (UG/L AS CD)	CADMIUM DIS- SOLVED (UG/L AS CD)	COPPER, DIS- SOLVED (UG/L AS CU)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	MANGA- NESE, SUS- PENDED RECOV. (UG/L AS MN)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)
SEP , 1979											
17...	--	.12	--	.04	--	--	--	--	--	--	--
OCT											
02...	8.100	24	25	7.8	0	0	<1	25	40	0	40

DATE	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	MERCURY SUS- PENDED RECOV- ERABLE (UG/L AS HG)	MERCURY DIS- SOLVED (UG/L AS HG)	PCB, TOTAL (UG/L)	NAPH- THA- LENES, POLY- CHLOR, TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	CHLOR- DANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)	DDE, TOTAL (UG/L)	DDT, TOTAL (UG/L)	DI- AZINON, TOTAL (UG/L)
SEP , 1979											
17...	--	--	--	--	--	--	--	--	--	--	--
OCT											
02...	.1	.0	.1	.4	.00	.000	.1	.010	.000	.000	1.50

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

RED RIVER WATERWAYS PROJECT--Continued

322129093371900 RED RIVER (SITE 27), NEAR TAYLORTOWN, LA--Continued

WATER QUALITY DATA

DATE	DI-ELDRIN TOTAL (UG/L)	ENDO-SULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ETHION, TOTAL (UG/L)	HEPTA-CHLOR, TOTAL (UG/L)	HEPTA-CHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MALA-THION, TOTAL (UG/L)	METH-OXY-CHLOR, TOTAL (UG/L)	METHYL PARA-THION, TOTAL (UG/L)	METHYL TRI-THION, TOTAL (UG/L)
SEP , 1979											
17...	--	--	--	--	--	--	--	--	--	--	--
OCT											
02...	.010	.000	.000	.00	.000	.000	.000	.00	.00	.00	.00

DATE	MIREX, TOTAL (UG/L)	PARA-THION, TOTAL (UG/L)	PER-THANE TOTAL (UG/L)	TOX-APHENE, TOTAL (UG/L)	TOTAL TRI-THION (UG/L)	2,4-D, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)
SEP , 1979										
17...	--	--	--	--	--	--	--	--	46.4	.000
OCT										
02...	.00	.00	.00	.0	.00	.07	.00	.00	2.25	.000

RED RIVER WATERWAYS PROJECT--Continued

321555093300000 RED RIVER (SITE 105), NEAR NINOCK, LA

WATER QUALITY DATA

DATE	TIME	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	COLOR (PLAT-INUM-COBALT UNITS)	TUR-BID-ITY (JTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./100 ML)	HARD-NESS (MG/L AS CACO3)	HARD-NESS, NONCAR-BONATE (MG/L CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)
SEP , 1979												
18...	1510	1170	8.0	15	10	9.3	1.3	5200	280	120	77	22
OCT												
02...	0930	770	7.5	15	65	7.0	1.5	30000	160	82	44	11

DATE	BICAR-BONATE (MG/L AS HCO3)	CAR-BONATE (MG/L AS CO3)	ALKA-LINITY (MG/L AS CACO3)	CARBON DIOXIDE DIS-SOLVED (MG/L AS CO2)	SULFATE DIS-SOLVED (MG/L AS SO4)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, DIS-SOLVED (TONS PER AC-FT)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)	SOLIDS, NON-VOLA-TILE, SUS-PENDED (MG/L)	SOLIDS, VOLA-TILE, SUS-PENDED (MG/L)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)
SEP , 1979												
18...	200	0	164	3.2	140	698	.95	22	16	6	.01	.02
OCT												
02...	89	0	73	4.6	94	425	.58	40	32	8	.01	.02

DATE	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS NH4)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, NH4 + ORG. SUSP. TOTAL (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC DIS. (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS NO3)	PHOS-PHORUS, TOTAL (MG/L AS P)	PHOS-PHATE, TOTAL (MG/L AS PO4)	PHOS-PHORUS TOTAL (MG/L AS PO4)
SEP , 1979												
18...	.03	.31	.40	1.1	1.4	.90	.50	1.4	6.3	.12	.15	.37
OCT												
02...	.03	.72	.93	.33	1.1	.36	.74	1.1	5.0	.05	.18	.15

DATE	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)	CADMIUM SUS-PENDED RECOV-ERABLE (UG/L AS CD)	CADMIUM DIS-SOLVED (UG/L AS CD)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	COPPER, SUS-PENDED RECOV-ERABLE (UG/L AS CU)	COPPER, DIS-SOLVED (UG/L AS CU)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MANGA-NESE, SUS-PENDED RECOV. (UG/L AS MN)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	MERCURY DIS-SOLVED (UG/L AS HG)	PCB, TOTAL (UG/L)
SEP , 1979												
18...	.05	0	--	<1	0	--	1	170	150	20	.0	.1
OCT												
02...	.06	0	--	<1	2	0	2	130	130	3	.1	.0

DATE	NAPH-THA-LENES, POLY-CHLOR. TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	CHLOR-DANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)	DDE, TOTAL (UG/L)	DDT, TOTAL (UG/L)	DI-AZINON, TOTAL (UG/L)	DI-ELDRIN TOTAL (UG/L)	ENDO-SULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ETHION, TOTAL (UG/L)
SEP , 1979											
18...	.00	.000	.0	.000	.000	.000	.00	.000	.000	.000	.00
OCT											
02...	.00	.000	.0	.000	.000	.000	.00	.000	.000	.000	.00

< Actual value is known to be less than the value shown.

RED RIVER WATERWAYS PROJECT--Continued

321555093300000 RED RIVER (SITE 105), NEAR NINOCK, LA--Continued

WATER QUALITY DATA

DATE	HEPTA-CHLOR, TOTAL (UG/L)	HEPTA-CHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MALA-THION, TOTAL (UG/L)	METH-OXY-CHLOR, TOTAL (UG/L)	METHYL PARA-THION, TOTAL (UG/L)	METHYL TRI-THION, TOTAL (UG/L)	MIREX, TOTAL (UG/L)	PARA-THION, TOTAL (UG/L)	PER-THANE TOTAL (UG/L)	TOX-APHENE, TOTAL (UG/L)
SEP , 1979											
18...	.000	.000	.000	.00	.00	.00	.00	.00	.00	.00	.0
OCT											
02...	.000	.000	.000	.00	.00	.00	.00	.00	.00	.00	.0

DATE	TOTAL TRI-THION (UG/L)	2,4-D, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)
SEP , 1979						
18...	.00	.01	.01	.00	59.4	.000
OCT						
02...	.00	.02	.00	.00	22.3	.000

RED RIVER WATERWAYS PROJECT--Continued

321200093263800 LOGGY BAYOU (SITE 26), NEAR CROSS ROADS, LA

WATER QUALITY DATA

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	CALCIUM DISSOLVED (MG/L AS CA)
SEP , 1979											
18...	1340	375	7.1	40	20	7.3	.5	K60	140	32	36
OCT											
02...	1015	259	6.9	30	55	7.1	--	2400	81	15	20

DATE	MAGNESIUM, DISSOLVED (MG/L AS MG)	BICARBONATE (MG/L AS HCO3)	CARBONATE (MG/L AS CO3)	ALKALINITY (MG/L AS CACO3)	CARBON DIOXIDE DISSOLVED (MG/L AS CO2)	SULFATE DISSOLVED (MG/L AS SO4)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	SOLIDS, DISSOLVED (TONS PER AC-FT)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)	SOLIDS, NONVOLATILE, SUSPENDED (MG/L)
SEP , 1979										
18...	13	136	0	112	18	25	238	.32	49	32
OCT										
02...	7.5	80	0	66	16	21	160	.22	33	25

DATE	SOLIDS, VOLATILE, SUSPENDED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS NH4)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHATE, TOTAL (MG/L AS PO4)	PHOSPHORUS TOTAL (MG/L AS PO4)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P)
SEP , 1979										
18...	17	.12	.04	.16	.09	.11	.14	.25	.43	.08
OCT										
02...	8	.02	.02	.04	.06	.07	.06	.15	.18	.05

DATE	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L)
SEP , 1979		
18...	4.26	.000
OCT		
02...	8.26	.000

K Results based on colony count outside the acceptable range (non-ideal count).

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

RED RIVER WATERWAYS PROJECT--Continued

321037093263800 RED RIVER (SITE 25), NEAR EAST POINT, LA

WATER QUALITY DATA

DATE	TIME	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	COLOR (PLAT-INUM-COBALT UNITS)	TUR-BID-ITY (JTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	HARD-NESS (MG/L AS CACO3)	HARD-NESS, NONCAR-BONATE (MG/L CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)
SEP , 1979											
18...	1420	1100	8.2	10	8	9.0	3.7	K1000	290	130	81
OCT											
02...	1035	780	7.5	30	50	6.8	1.8	8600	150	72	41

DATE	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	BICAR-BONATE (MG/L AS HCO3)	CAR-BONATE (MG/L AS CO3)	ALKA-LINITY (MG/L AS CACO3)	CARBON DIOXIDE DIS-SOLVED (MG/L AS CO2)	SULFATE DIS-SOLVED (MG/L AS SO4)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, DIS-SOLVED (TONS PER AC-FT)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)	SOLIDS, NON-VOLA-TILE, SUS-PENDED (MG/L)
SEP , 1979										
18...	22	200	0	164	2.0	130	--	.52	24	19
OCT										
02...	11	92	0	75	4.8	91	454	.62	132	94

DATE	SOLIDS, VOLA-TILE, SUS-PENDED (MG/L)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS NH4)	PHOS-PHORUS, TOTAL (MG/L AS P)	PHOS-PHATE, TOTAL (MG/L AS PO4)	PHOS-PHORUS TOTAL (MG/L AS PO4)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P)
SEP , 1979										
18...	5	.00	.02	.02	.36	.44	.13	.15	.40	.05
OCT										
02...	38	.00	.02	.02	.27	.33	.09	.06	.28	.02

DATE	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)
SEP , 1979		
18...	60.8	.760
OCT		
02...	30.0	.000

K Results based on colony count outside the acceptable range (non-ideal count).

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

RED RIVER WATERWAYS PROJECT--Continued

320412093251800 RED RIVER (SITE 24), AT HARMON, LA

WATER QUALITY DATA

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	HARD- NESS (MG/L AS CACO3)	HARD- NESS, NONCAR- BONATE (MG/L CACO3)	CALCIUM DIS- SOLVED (MG/L AS CA)
SEP , 1979											
18...	1300	1110	8.0	5	9	10.1	3.7	1200	300	130	82
OCT											
02...	1100	797	7.5	40	60	7.0	.0	6600	170	96	49

DATE	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	BICAR- BONATE (MG/L AS HCO3)	CAR- BONATE (MG/L AS CO3)	ALKA- LINITY (MG/L AS CACO3)	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO2)	SULFATE DIS- SOLVED (MG/L AS SO4)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDED (MG/L)	SOLIDS, NON- VOLA- TILE, SUS- PENDED (MG/L)
SEP , 1979										
18...	22	201	0	165	3.2	130	1010	1.37	54	36
OCT										
02...	12	92	0	75	4.8	91	445	.61	52	43

DATE	SOLIDS, VOLA- TILE, SUS- PENDED (MG/L)	NITRO- GEN, NITRATE TOTAL (MG/L AS N)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS NH4)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHATE, TOTAL (MG/L AS PO4)	PHOS- PHORUS TOTAL (MG/L AS PO4)	PHOS- PHORUS, ORTHO, TOTAL (MG/L AS P)
SEP , 1979										
18...	18	.00	.02	.02	.34	.41	.12	.15	.37	.05
OCT										
02...	9	.00	.02	.02	.08	.10	.06	.09	.18	.03

DATE	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)
SEP , 1979		
18...	62.8	.000
OCT		
02...	28.5	.000

RED RIVER WATERWAYS PROJECT--Continued

320005093212070 RED RIVER AT MILE 220.0 (SITE 37), AT COUSHATTA, LA

WATER QUALITY DATA

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	OXYGEN, DISSOLVED (MG/L)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	CALCIUM DISSOLVED (MG/L AS CA)
OCT , 1979										
02...	1130	781	7.5	10	55	6.9	6200	170	87	45

DATE	MAGNESIUM, DISSOLVED (MG/L AS MG)	BICARBONATE (MG/L AS HCO3)	CARBONATE (MG/L AS CO3)	ALKALINITY (MG/L AS CACO3)	CARBON DIOXIDE DISSOLVED (MG/L AS CO2)	SULFATE DISSOLVED (MG/L AS SO4)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	SOLIDS, DISSOLVED (TONS PER AC-FT)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)	SOLIDS, NONVOLATILE, SUSPENDED (MG/L)
OCT , 1979										
02...	13	96	0	79	5.0	92	444	.60	96	52

DATE	SOLIDS, VOLATILE, SUSPENDED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS NH4)	PHOSPHATE, TOTAL (MG/L AS PO4)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P)
OCT , 1979								
02...	44	.02	.00	.02	.06	.07	.15	.05

DATE	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L)
OCT , 1979		
02...	30.6	.000

RED RIVER WATERWAYS PROJECT--Continued

320000093212300 RED RIVER (SITE 23), NEAR HANNA, LA

WATER QUALITY DATA

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	CALCIUM DISSOLVED (MG/L AS CA)
SEP , 1979											
18...	1200	1080	8.1	10	9	8.0	1.1	K1900	280	110	76
OCT											
02...	1145	798	7.7	40	60	6.9	.5	4100	150	71	40

DATE	MAGNESIUM, DISSOLVED (MG/L AS MG)	BICARBONATE (MG/L AS HCO3)	CARBONATE (MG/L AS CO3)	ALKALINITY (MG/L AS CACO3)	CARBON DIOXIDE DISSOLVED (MG/L AS CO2)	SULFATE DISSOLVED (MG/L AS SO4)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	SOLIDS, DISSOLVED (TONS PER AC-FT)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)	SOLIDS, NONVOLATILE, SUSPENDED (MG/L)
SEP , 1979										
18...	21	202	0	166	2.6	120	620	.84	0	0
OCT										
02...	12	96	0	79	3.1	93	449	.61	100	89

DATE	SOLIDS, VOLATILE, SUSPENDED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS NH4)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHATE, TOTAL (MG/L AS PO4)	PHOSPHORUS TOTAL (MG/L AS PO4)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P)
SEP , 1979										
18...	1	.00	.02	.02	.28	.34	.13	.15	.40	.05
OCT										
02...	11	.13	.02	.15	.07	.08	.12	.25	.37	.08

DATE	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L)
SEP , 1979		
18...	44.7	.780
OCT		
02...	31.6	.000

K Results based on colony count outside the acceptable range (non-ideal count).

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

RED RIVER WATERWAYS PROJECT--Continued

315640093171000 RED RIVER (SITE 22), NEAR LAKE END, LA

WATER QUALITY DATA

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	CALCIUM DISSOLVED (MG/L AS CA)
SEP , 1979 18...	1130	1070	8.2	10	10	8.2	2.1	K470	270	100	70
OCT 02...	1225	742	7.9	30	65	7.2	.8	3500	170	83	44

DATE	MAGNESIUM, DISSOLVED (MG/L AS MG)	BICARBONATE (MG/L AS HCO3)	CARBONATE (MG/L AS CO3)	ALKALINITY (MG/L AS CACO3)	CARBON DIOXIDE DISSOLVED (MG/L AS CO2)	SULFATE DISSOLVED (MG/L AS SO4)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	SOLIDS, DISSOLVED (TONS PER AC-FT)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)	SOLIDS, NONVOLATILE, SUSPENDED (MG/L)
SEP , 1979 18...	22	200	0	164	2.0	120	626	.85	16	16
OCT 02...	14	103	0	84	2.1	95	431	.59	23	16

DATE	SOLIDS, VOLATILE, SUSPENDED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS NH4)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHATE, TOTAL (MG/L AS PO4)	PHOSPHORUS TOTAL (MG/L AS PO4)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P)
SEP , 1979 18...	0	.01	.00	.01	.33	.40	.13	.12	.40	.04
OCT 02...	7	.00	.02	.02	.07	.08	.07	.18	.21	.06

DATE	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L)
SEP , 1979 18...	41.3	.000
OCT 02...	30.0	.560

K Results based on colony count outside the acceptable range (non-ideal count).

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

RED RIVER WATERWAYS PROJECT--Continued

315302093120300 RED RIVER (SITE 104), AT POWHATAN, LA

WATER QUALITY DATA

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)
SEP , 1979 18...	1248	1100	8.2	10	9	9.0	3.3	160	270	99	74	21
OCT 02...	1331	776	7.6	15	80	7.4	.0	K1200	140	57	38	12

DATE	BICARBONATE (MG/L AS HCO3)	CARBONATE (MG/L AS CO3)	ALKALINITY (MG/L AS CACO3)	CARBON DIOXIDE DISSOLVED (MG/L AS CO2)	SULFATE DISSOLVED (MG/L AS SO4)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	SOLIDS, DISSOLVED (TONS PER AC-FT)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)	SOLIDS, NONVOLATILE, SUSPENDED (MG/L)	SOLIDS, VOLATILE, SUSPENDED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)
SEP , 1979 18...	210	0	172	2.1	130	623	.85	21	1	20	.01	.00
OCT 02...	106	0	87	4.2	71	385	.52	81	76	5	.03	.02

DATE	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS NH4)	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, NH4 + ORG. SUSP. TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS NO3)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHATE, TOTAL (MG/L AS PO4)	PHOSPHORUS TOTAL (MG/L AS PO4)
SEP , 1979 18...	.01	.32	.39	1.1	1.4	.83	.57	1.4	6.2	.11	.12	.34
OCT 02...	.05	.10	.12	1.1	1.2	.38	.82	1.3	5.5	.15	.18	.46

DATE	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CADMIUM SUSPENDED RECOVERABLE (UG/L AS CD)	CADMIUM DISSOLVED (UG/L AS CD)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	COPPER, SUSPENDED RECOVERABLE (UG/L AS CU)	COPPER, DISSOLVED (UG/L AS CU)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	MANGANESE, SUSPENDED RECOV. (UG/L AS MN)	MANGANESE, DISSOLVED (UG/L AS MN)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	MERCURY SUSPENDED RECOVERABLE (UG/L AS HG)
SEP , 1979 18...	.04	0	--	<1	0	--	1	180	180	5	--	--
OCT 02...	.06	0	--	<1	--	--	0	220	220	2	.0	--

DATE	MERCURY DISSOLVED (UG/L AS HG)	PCB, TOTAL (UG/L)	NAPHTHALENES, POLYCHLOR. TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	CHLORDANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)	DDE, TOTAL (UG/L)	DDT, TOTAL (UG/L)	DIAZINON, TOTAL (UG/L)	DIELDRIN TOTAL (UG/L)	ENDOSULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)
SEP , 1979 18...	.0	--	--	--	--	--	--	--	--	--	--	--
OCT 02...	.1	.2	.00	.000	.0	.000	.000	.000	.00	.000	.000	.000

< Actual value is known to be less than the value shown.

K Results based on colony count outside the acceptable range (non-ideal count).

RED RIVER WATERWAYS PROJECT--Continued

315302093120300 RED RIVER (SITE 104), AT POWHATAN, LA--Continued

WATER QUALITY DATA

DATE	ETHION, TOTAL (UG/L)	HEPTA-CHLOR, TOTAL (UG/L)	HEPTA-CHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MALA-THION, TOTAL (UG/L)	METH-OXY-CHLOR, TOTAL (UG/L)	METHYL PARA-THION, TOTAL (UG/L)	METHYL TRI-THION, TOTAL (UG/L)	MIREX, TOTAL (UG/L)	PARA-THION, TOTAL (UG/L)	PER-THANE TOTAL (UG/L)	TOX-APHENE, TOTAL (UG/L)
SEP , 1979												
18...	--	--	--	--	--	--	--	--	--	--	--	--
OCT												
02...	.00	.000	.000	.000	.00	.00	.00	.00	.00	.00	.00	.0

DATE	TOTAL TRI-THION (UG/L)	2,4-D, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)
SEP , 1979						
18...	--	--	--	--	47.0	.000
OCT						
02...	.00	.00	.00	.00	32.4	.000

RED RIVER WATERWAYS PROJECT--Continued

315152093070900 RED RIVER (SITE 21), NEAR CAMPTI, LA

WATER QUALITY DATA

DATE	TIME	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	COLOR (PLAT-INUM-COBALT UNITS)	TUR-BID-ITY (JTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	HARD-NESS (MG/L AS CACO3)	HARD-NESS, NONCAR-BONATE (MG/L CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)
SEP , 1979											
18...	1145	1050	8.0	10	8	10.3	2.8	K33	290	130	76
OCT											
02...	1301	724	7.5	40	60	7.0	.0	K2000	140	52	39

DATE	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	BICAR-BONATE (MG/L AS HCO3)	CAR-BONATE (MG/L AS CO3)	ALKA-LINITY (MG/L AS CACO3)	CARBON DIOXIDE DIS-SOLVED (MG/L AS CO2)	SULFATE DIS-SOLVED (MG/L AS SO4)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, DIS-SOLVED (TONS PER AC-FT)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)	SOLIDS, NON-VOLA-TILE, SUS-PENDED (MG/L)
SEP , 1979										
18...	25	202	0	166	3.2	130	647	.88	6	0
OCT										
02...	11	111	0	91	5.8	75	390	.53	122	108

DATE	SOLIDS, VOLA-TILE, SUS-PENDED (MG/L)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS NH4)	PHOS-PHORUS, TOTAL (MG/L AS P)	PHOS-PHATE, TOTAL (MG/L AS PO4)	PHOS-PHORUS TOTAL (MG/L AS PO4)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P)
SEP , 1979										
18...	6	.02	.02	.04	.33	.40	.13	.15	.40	.05
OCT										
02...	14	.00	.04	.04	.06	.07	.06	.15	.18	.05

DATE	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)
SEP , 1979		
18...	43.4	.000
OCT		
02...	26.8	.000

K Results based on colony count outside the acceptable range (non-ideal count).

315000093063000 BAYOU PIERRE (SITE 20), NEAR GRAND ECORE, LA

WATER QUALITY DATA

DATE	TIME	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	COLOR (PLAT-INUM-COBALT UNITS)	TUR-BID-ITY (JTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	HARD-NESS (MG/L AS CACO3)	HARD-NESS, NONCAR-BONATE (MG/L CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)
SEP , 1979											
18...	1127	1110	7.9	10	6	8.8	2.7	K60	290	120	77
OCT											
02...	1234	709	7.5	30	65	7.6	.0	K700	140	50	39

DATE	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	BICAR-BONATE (MG/L AS HCO3)	CAR-BONATE (MG/L AS CO3)	ALKA-LINITY (MG/L AS CACO3)	CARBON DIOXIDE DIS-SOLVED (MG/L AS CO2)	SULFATE DIS-SOLVED (MG/L AS SO4)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, DIS-SOLVED (TONS PER AC-FT)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)	SOLIDS, NON-VOLA-TILE, SUS-PENDED (MG/L)
SEP , 1979										
18...	24	208	0	171	4.2	130	656	.89	24	12
OCT										
02...	11	113	0	93	5.9	80	405	.55	121	111

DATE	SOLIDS, VOLA-TILE, SUS-PENDED (MG/L)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS NH4)	PHOS-PHORUS, TOTAL (MG/L AS P)	PHOS-PHATE, TOTAL (MG/L AS PO4)	PHOS-PHORUS TOTAL (MG/L AS PO4)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P)
SEP , 1979										
18...	12	.08	.00	.08	.38	.46	.14	.15	.43	.05
OCT										
02...	10	.01	.02	.03	.05	.06	.08	.15	.25	.05

DATE	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)
SEP , 1979		
18...	62.9	.000
OCT		
02...	28.8	.000

K Results based on colony count outside the acceptable range (non-ideal count).

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

RED RIVER WATERWAYS PROJECT--Continued

314831093021000 RED RIVER (SITE 19), AT CLARENCE, LA

WATER QUALITY DATA

DATE	TIME	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	COLOR (PLAT-INUM-COBALT UNITS)	TUR-BID-ITY (JTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./100 ML)	HARD-NESS (MG/L AS CACO3)	HARD-NESS, NONCAR-BONATE (MG/L CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)
SEP , 1979											
18...	1111	1110	8.4	10	10	9.3	3.0	K80	300	130	82
OCT											
02...	1207	681	7.5	30	70	7.5	.3	K2200	150	58	41

DATE	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	BICAR-BONATE (MG/L AS HCO3)	CAR-BONATE (MG/L AS CO3)	ALKA-LINITY (MG/L AS CACO3)	CARBON DIOXIDE DIS-SOLVED (MG/L AS CO2)	SULFATE DIS-SOLVED (MG/L AS SO4)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, DIS-SOLVED (TONS PER AC-FT)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)	SOLIDS, NON-VOLA-TILE, SUS-PENDED (MG/L)
SEP , 1979										
18...	22	204	1	169	1.2	130	655	.89	26	25
OCT										
02...	12	114	0	94	5.9	78	378	.51	162	142

DATE	SOLIDS, VOLA-TILE, SUS-PENDED (MG/L)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS NH4)	PHOS-PHORUS, TOTAL (MG/L AS P)	PHOS-PHATE, TOTAL (MG/L AS PO4)	PHOS-PHORUS TOTAL (MG/L AS PO4)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P)
SEP , 1979										
18...	1	.00	.02	.02	.33	.40	.12	.15	.37	.05
OCT										
02...	20	.00	.04	.04	.10	.12	.10	.21	.31	.07

DATE	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)
SEP , 1979		
18...	39.4	.000
OCT		
02...	24.7	.390

K Results based on colony count outside the acceptable range (non-ideal count).

RED RIVER WATERWAYS PROJECT--Continued

314652092580300 SALINE BAYOU (SITE 18), NEAR SAINT MAURICE, LA

WATER QUALITY DATA

DATE	TIME	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	COLOR (PLAT-INUM-COBALT UNITS)	TUR-BID-ITY (JTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./100 ML)	HARD-NESS (MG/L AS CACO3)	HARD-NESS, NONCAR-BONATE (MG/L CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)
SEP , 1979											
18...	1007	1490	7.6	10	6	7.7	.0	K60	200	14	49
OCT											
02...	1116	119	6.3	20	15	6.6	.4	K4000	24	9	5.3

DATE	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	BICAR-BONATE (MG/L AS HCO3)	CAR-BONATE (MG/L AS CO3)	ALKA-LINITY (MG/L AS CACO3)	CARBON DIOXIDE DIS-SOLVED (MG/L AS CO2)	SULFATE DIS-SOLVED (MG/L AS SO4)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, DIS-SOLVED (TONS PER AC-FT)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)	SOLIDS, NON-VOLA-TILE, SUS-PENDED (MG/L)
SEP , 1979										
18...	20	232	0	190	9.3	19	799	1.09	15	0
OCT										
02...	2.6	18	0	15	15	14	80	.11	11	6

DATE	SOLIDS, VOLA-TILE, SUS-PENDED (MG/L)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS NH4)	PHOS-PHORUS, TOTAL (MG/L AS P)	PHOS-PHATE, TOTAL (MG/L AS PO4)	PHOS-PHORUS TOTAL (MG/L AS PO4)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P)
SEP , 1979										
18...	21	.01	.00	.01	.09	.11	.03	.03	.09	.01
OCT										
02...	5	.00	.02	.02	.15	.18	--	.12	--	.04

DATE	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)
SEP , 1979		
18...	9.83	.000
OCT		
02...	9.04	.000

K Results based on colony count outside the acceptable range (non-ideal count).

RED RIVER WATERWAYS PROJECT--Continued

314323092590800 RED RIVER (SITE 17), NEAR SAINT MAURICE, LA

WATER QUALITY DATA

DATE	TIME	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	COLOR (PLAT-INUM-COBALT UNITS)	TUR-BID-ITY (JTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./100 ML)	HARD-NESS (MG/L AS CACO3)	HARD-NESS, NONCAR-BONATE (MG/L CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)
SEP , 1979											
18...	1043	1100	8.3	10	10	9.0	2.6	K33	290	120	79
OCT											
02...	1138	649	8.0	40	65	7.6	.3	K1100	150	53	41

DATE	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	BICAR-BONATE (MG/L AS HCO3)	CAR-BONATE (MG/L AS CO3)	ALKA-LINITY (MG/L AS CACO3)	CARBON DIOXIDE DIS-SOLVED (MG/L AS CO2)	SULFATE DIS-SOLVED (MG/L AS SO4)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, DIS-SOLVED (TONS PER AC-FT)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)	SOLIDS, NON-VOLA-TILE, SUS-PENDED (MG/L)
SEP , 1979										
18...	23	210	0	172	1.7	120	649	.88	32	28
OCT										
02...	11	115	0	94	1.8	69	359	.49	191	172

DATE	SOLIDS, VOLA-TILE, SUS-PENDED (MG/L)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS NH4)	PHOS-PHORUS, TOTAL (MG/L AS P)	PHOS-PHATE, TOTAL (MG/L AS PO4)	PHOS-PHORUS TOTAL (MG/L AS PO4)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P)
SEP , 1979										
18...	4	.01	.00	.01	.33	.40	.11	.15	.34	.05
OCT										
02...	19	.00	.02	.02	.06	.07	.06	.09	.18	.03

DATE	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)
SEP , 1979		
18...	53.2	.620
OCT		
02...	40.3	.000

K Results based on colony count outside the acceptable range (non-ideal count).

RED RIVER WATERWAYS PROJECT--Continued

314000092553000 RED RIVER (SITE 16), NEAR MONTGOMERY, LA

WATER QUALITY DATA

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	CALCIUM DISSOLVED (MG/L AS CA)
SEP , 1979											
18...	0930	1080	8.3	5	8	9.5	4.0	K87	280	110	77
OCT											
02...	1016	576	6.0	15	55	8.3	.4	K1800	140	85	37

DATE	MAGNESIUM, DISSOLVED (MG/L AS MG)	BICARBONATE (MG/L AS HCO3)	CARBONATE (MG/L AS CO3)	ALKALINITY (MG/L AS CACO3)	CARBON DIOXIDE DISSOLVED (MG/L AS CO2)	SULFATE DISSOLVED (MG/L AS SO4)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	SOLIDS, DISSOLVED (TONS PER AC-FT)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)	SOLIDS, NONVOLATILE, SUSPENDED (MG/L)
SEP , 1979										
18...	21	210	0	172	1.7	120	635	.86	55	24
OCT										
02...	11	64	0	52	102	61	319	.43	101	82

DATE	SOLIDS, VOLATILE, SUSPENDED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS NH4)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHATE, TOTAL (MG/L AS PO4)	PHOSPHORUS TOTAL (MG/L AS PO4)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P)
SEP , 1979										
18...	31	.01	.00	.01	.34	.41	.10	.12	.31	.04
OCT										
02...	19	.03	.04	.07	.06	.07	.07	.09	.21	.03

DATE	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L)
SEP , 1979		
18...	29.4	.000
OCT		
02...	36.5	.000

K Results based on colony count outside the acceptable range (non-ideal count).

RED RIVER WATERWAYS PROJECT--Continued

313556092485000 RED RIVER (SITE 103), NEAR ALOHA, LA

WATER QUALITY DATA

DATE	TIME	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	COLOR (PLAT-INUM-COBALT UNITS)	TUR-BID-ITY (JTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./100 ML)	HARD-NESS (MG/L AS CACO3)	HARD-NESS, NONCAR-BONATE (MG/L CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)
SEP , 1979												
18...	0851	1050	8.2	10	8	8.5	2.9	K60	260	88	71	21
OCT												
02...	0906	698	7.6	20	70	7.3	.0	K800	160	81	46	12

DATE	BICAR-BONATE (MG/L AS HCO3)	CAR-BONATE (MG/L AS CO3)	ALKA-LINITY (MG/L AS CACO3)	CARBON DIOXIDE DIS-SOLVED (MG/L AS CO2)	SULFATE DIS-SOLVED (MG/L AS SO4)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, DIS-SOLVED (TONS PER AC-FT)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)	SOLIDS, NON-VOLA-TILE, SUS-PENDED (MG/L)	SOLIDS, VOLA-TILE, SUS-PENDED (MG/L)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)
SEP , 1979												
18...	214	0	176	2.1	120	615	.84	17	0	17	.01	.00
OCT												
02...	102	0	84	4.1	91	248	.34	5	0	10	.00	.02

DATE	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS NH4)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO-GEN,NH4 + ORG. SUSP. TOTAL (MG/L AS N)	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS NO3)	PHOS-PHORUS, TOTAL (MG/L AS P)	PHOS-PHATE, TOTAL (MG/L AS PO4)	PHOS-PHORUS TOTAL (MG/L AS PO4)
SEP , 1979												
18...	.01	.33	.48	.77	1.1	.56	.54	1.1	4.9	.08	.09	.25
OCT												
02...	.02	.06	.07	.94	1.0	.11	.89	1.0	4.5	.11	.12	.34

DATE	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)	CADMIUM SUS-PENDED RECOV-ERABLE (UG/L AS CD)	CADMIUM DIS-SOLVED (UG/L AS CD)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	COPPER, SUS-PENDED RECOV-ERABLE (UG/L AS CU)	COPPER, DIS-SOLVED (UG/L AS CU)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MANGA-NESE, SUS-PENDED RECOV. (UG/L AS MN)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	MERCURY SUS-PENDED RECOV-ERABLE (UG/L AS HG)
SEP , 1979												
18...	.03	0	--	1	2	1	1	160	150	6	--	--
OCT												
02...	.04	0	--	1	4	3	1	8	6	2	.0	--

DATE	MERCURY DIS-SOLVED (UG/L AS HG)	PCB, TOTAL (UG/L)	NAPH-THA-LENES, POLY-CHLOR, TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	CHLOR-DANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)	DDE, TOTAL (UG/L)	DDT, TOTAL (UG/L)	DI-AZINON, TOTAL (UG/L)	DI-ELDRIN TOTAL (UG/L)	ENDO-SULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)
SEP , 1979												
18...	.0	.0	.00	.000	.0	.000	.000	.000	.00	.000	.000	.000
OCT												
02...	.1	.0	.00	.000	.0	.000	.000	.000	.00	.000	.000	.000

K Results based on colony count outside the acceptable range (non-ideal count).

RED RIVER WATERWAYS PROJECT--Continued

313556092485000 RED RIVER (SITE 103), NEAR ALOHA, LA--Continued

WATER QUALITY DATA

DATE	ETHION, TOTAL (UG/L)	HEPTA-CHLOR, TOTAL (UG/L)	HEPTA-CHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MALA-THION, TOTAL (UG/L)	METH-OXY-CHLOR, TOTAL (UG/L)	METHYL PARA-THION, TOTAL (UG/L)	METHYL TRI-THION, TOTAL (UG/L)	MIREX, TOTAL (UG/L)	PARA-THION, TOTAL (UG/L)	PER-THANE TOTAL (UG/L)	TOX-APHENE, TOTAL (UG/L)
SEP , 1979 18...	.00	.000	.000	.000	.00	.00	.00	.00	.00	.00	.00	.0
OCT 02...	.00	.000	.000	.000	.00	.00	.00	.00	.00	.00	.00	.0

DATE	TOTAL TRI-THION (UG/L)	2,4-D, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)
SEP , 1979 18...	.00	.00	.00	.00	31.8	.000
OCT 02...	.00	.06	.00	.00	30.2	.000

313000092423000 RED RIVER (SITE 15), NEAR COLFAX, LA

WATER QUALITY DATA

DATE	TIME	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	COLOR (PLAT-INUM-COBALT UNITS)	TUR-BID-ITY (JTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	HARD-NESS (MG/L AS CACO3)	HARD-NESS, NONCAR-BONATE (MG/L CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)
SEP , 1979											
17...	1438	937	8.5	20	15	--	--	210	270	90	75
OCT											
01...	1314	628	7.5	15	70	8.1	.8	K1500	170	95	48

DATE	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	BICAR-BONATE (MG/L AS HCO3)	CAR-BONATE (MG/L AS CO3)	ALKA-LINITY (MG/L AS CACO3)	CARBON DIOXIDE DIS-SOLVED (MG/L AS CO2)	SULFATE DIS-SOLVED (MG/L AS SO4)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, DIS-SOLVED (TONS PER AC-FT)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)	SOLIDS, NON-VOLA-TILE, SUS-PENDED (MG/L)
SEP , 1979										
17...	20	213	3	175	1.1	93	545	.74	29	14
OCT										
01...	13	96	0	79	5.0	67	339	.46	69	52

DATE	SOLIDS, VOLA-TILE, SUS-PENDED (MG/L)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS NH4)	PHOS-PHORUS, TOTAL (MG/L AS P)	PHOS-PHATE, TOTAL (MG/L AS PO4)	PHOS-PHORUS TOTAL (MG/L AS PO4)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P)
SEP , 1979										
17...	15	.00	.02	.02	.28	.34	.09	.09	.28	.03
OCT										
01...	17	.00	.02	.02	.04	.05	.05	.03	.15	.01

DATE	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)
SEP , 1979		
17...	33.9	.000
OCT		
01...	37.0	.000

K Results based on colony count outside the acceptable range (non-ideal count).

RED RIVER WATERWAYS PROJECT--Continued

312724092431700 NEW CANE RIVER (SITE 14) NEAR ROCK QUARRY, LA

WATER QUALITY DATA

DATE	TIME	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	COLOR (PLAT-INUM-COBALT UNITS)	TUR-BID-ITY (JTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./100 ML)	HARD-NESS (MG/L AS CACO3)	HARD-NESS, NONCAR-BONATE (MG/L CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)
SEP , 1979											
17...	1410	466	7.8	10	20	7.6	.0	K20	190	31	46
OCT											
01...	1243	156	6.6	20	80	7.0	1.6	5100	63	15	16

DATE	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	BICAR-BONATE (MG/L AS HCO3)	CAR-BONATE (MG/L AS CO3)	ALKA-LINITY (MG/L AS CACO3)	CARBON DIOXIDE DIS-SOLVED (MG/L AS CO2)	SULFATE DIS-SOLVED (MG/L AS SO4)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, DIS-SOLVED (TONS PER AC-FT)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)	SOLIDS, NON-VOLA-TILE, SUS-PENDED (MG/L)
SEP , 1979										
17...	19	198	0	162	5.0	27	295	.40	51	20
OCT										
01...	5.7	59	0	48	24	26	102	.14	8	3

DATE	SOLIDS, VOLA-TILE, SUS-PENDED (MG/L)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS NH4)	PHOS-PHORUS, TOTAL (MG/L AS P)	PHOS-PHATE, TOTAL (MG/L AS PO4)	PHOS-PHORUS TOTAL (MG/L AS PO4)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P)
SEP , 1979										
17...	31	.47	.02	.49	.12	.15	.09	.12	.28	.04
OCT										
01...	5	.17	.10	.27	.15	.18	.13	.31	.40	.10

DATE	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)
SEP , 1979		
17...	25.6	1.36
OCT		
01...	18.3	.280

K Results based on colony count outside the acceptable range (non-ideal count).

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

RED RIVER WATERWAYS PROJECT--Continued

312534092414000 RED RIVER (SITE 13), AT ZIMMERMAN, LA

WATER QUALITY DATA

DATE	TIME	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	COLOR (PLAT-INUM-COBALT UNITS)	TUR-BID-ITY (JTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	HARD-NESS (MG/L AS CACO3)	HARD-NESS, NONCAR-BONATE (MG/L CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)
SEP , 1979											
17...	1339	899	8.4	15	10	8.9	1.7	K400	280	110	76
OCT											
01...	1218	629	7.6	30	75	8.3	.0	K22000	140	59	39

DATE	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	BICAR-BONATE (MG/L AS HCO3)	CAR-BONATE (MG/L AS CO3)	ALKA-LINITY (MG/L AS CACO3)	CARBON DIOXIDE DIS-SOLVED (MG/L AS CO2)	SULFATE DIS-SOLVED (MG/L AS SO4)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, DIS-SOLVED (TONS PER AC-FT)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)	SOLIDS, NON-VOLA-TILE, SUS-PENDED (MG/L)
SEP , 1979										
17...	21	205	4	168	1.2	93	537	.73	51	51
OCT										
01...	10	97	0	80	3.9	78	319	.43	121	113

DATE	SOLIDS, VOLA-TILE, SUS-PENDED (MG/L)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS NH4)	PHOS-PHORUS, TOTAL (MG/L AS P)	PHOS-PHATE, TOTAL (MG/L AS PO4)	PHOS-PHORUS TOTAL (MG/L AS PO4)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P)
SEP , 1979										
17...	0	.00	.02	.02	.29	.35	.05	.09	.15	.03
OCT										
01...	8	.00	.02	.02	.02	.02	.04	.03	.12	.01

DATE	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)
SEP , 1979		
17...	28.7	.000
OCT		
01...	29.4	.000

K Results based on colony count outside the acceptable range (non-ideal count).

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

RED RIVER WATERWAYS PROJECT--Continued

312236092352600 RED RIVER (SITE 12), NEAR BOYCE, LA

WATER QUALITY DATA

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	CALCIUM DISSOLVED (MG/L AS CA)
SEP , 1979 17...	1232	928	8.2	10	10	--	--	K16	260	83	72
OCT 01...	1107	663	7.5	20	85	8.9	.2	5200	170	82	49

DATE	MAGNESIUM, DISSOLVED (MG/L AS MG)	BICARBONATE (MG/L AS HCO3)	CARBONATE (MG/L AS CO3)	ALKALINITY (MG/L AS CACO3)	CARBON DIOXIDE DISSOLVED (MG/L AS CO2)	SULFATE DISSOLVED (MG/L AS SO4)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	SOLIDS, DISSOLVED (TONS PER AC-FT)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)	SOLIDS, NONVOLATILE, SUSPENDED (MG/L)	SOLIDS, VOLATILE, SUSPENDED (MG/L)
SEP , 1979 17...	19	214	0	176	2.1	95	543	.74	32	31	1
OCT 01...	11	104	0	85	5.4	84	352	.48	99	95	4

DATE	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS NH4)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHATE, TOTAL (MG/L AS PO4)	PHOSPHORUS TOTAL (MG/L AS PO4)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P)	PCB, TOTAL (UG/L)	NAPHTHALENES, POLYCHLOR. TOTAL (UG/L)
SEP , 1979 17...	.00	.00	.00	.33	.40	.04	.12	.12	.04	.0	.00
OCT 01...	.01	.00	.01	.00	.00	.10	.03	.31	.01	--	--

DATE	ALDRIN, TOTAL (UG/L)	CHLORDANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)	DDE, TOTAL (UG/L)	DDT, TOTAL (UG/L)	DIAZINON, TOTAL (UG/L)	DIELDRIN TOTAL (UG/L)	ENDOSULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ETHION, TOTAL (UG/L)	HEPTACHLOR, TOTAL (UG/L)
SEP , 1979 17...	.000	.0	.000	.000	.000	.00	.000	.000	.000	.00	.000
OCT 01...	--	--	--	--	--	--	--	--	--	--	--

DATE	HEPTACHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MALATHION, TOTAL (UG/L)	METHOXYCHLOR, TOTAL (UG/L)	METHYL PARATHION, TOTAL (UG/L)	METHYL TRITHION, TOTAL (UG/L)	MIREX, TOTAL (UG/L)	PARATHION, TOTAL (UG/L)	PERTHANE TOTAL (UG/L)	TOXAPHENE, TOTAL (UG/L)
SEP , 1979 17...	.000	.000	.00	.00	.00	.00	.00	.00	.00	.0
OCT 01...	--	--	--	--	--	--	--	--	--	--

DATE	TOTAL TRITHION (UG/L)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L)
SEP , 1979 17...	.00	42.1	.000
OCT 01...	--	26.6	.000

K Results based on colony count outside the acceptable range (non-ideal count).

RED RIVER WATERWAYS PROJECT--Continued

312055092272500 BAYOU RIGOLETTE (SITE 11), NEAR LEE HEIGHTS, LA

WATER QUALITY DATA

DATE	TIME	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	COLOR (PLAT-INUM-COBALT UNITS)	TUR-BID-ITY (JTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./100 ML)	HARD-NESS (MG/L AS CACO3)	HARD-NESS, NONCAR-BONATE (MG/L CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)
SEP , 1979 17...	1136	188	7.4	60	30	--	--	K100	75	5	19
OCT 01...	1012	85	6.4	30	80	7.6	.8	5500	33	3	8.1

DATE	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	BICAR-BONATE (MG/L AS HCO3)	CAR-BONATE (MG/L AS CO3)	ALKA-LINITY (MG/L AS CACO3)	CARBON DIOXIDE DIS-SOLVED (MG/L AS CO2)	SULFATE DIS-SOLVED (MG/L AS SO4)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) *	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)	SOLIDS, NON-VOLA-TILE, SUS-PENDED (MG/L)	SOLIDS, VOLA-TILE, SUS-PENDED (MG/L)
SEP , 1979 17...	6.8	86	0	71	5.4	11	116	.16	55	30	25
OCT 01...	3.1	36	0	30	23	14	64	.09	13	0	44

DATE	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS NH4)	PHOS-PHORUS, TOTAL (MG/L AS P)	PHOS-PHATE, TOTAL (MG/L AS PO4)	PHOS-PHORUS TOTAL (MG/L AS PO4)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P)	PCB, TOTAL (UG/L)	NAPH-THA-LENES, POLY-CHLOR, TOTAL (UG/L)
SEP , 1979 17...	.14	.02	.16	.11	.13	.19	.31	.58	.10	.0	.00
OCT 01...	.12	.01	.13	.13	.16	.16	.37	.49	.12	--	--

DATE	ALDRIN, TOTAL (UG/L)	CHLOR-DANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)	DDE, TOTAL (UG/L)	DDT, TOTAL (UG/L)	DI-AZINON, TOTAL (UG/L)	DI-ELDRIN TOTAL (UG/L)	ENDO-SULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ETHION, TOTAL (UG/L)	HEPTA-CHLOR, TOTAL (UG/L)
SEP , 1979 17...	.000	.0	.000	.000	.000	.00	.000	.000	.000	.00	.000
OCT 01...	--	--	--	--	--	--	--	--	--	--	--

DATE	HEPTA-CHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MALA-THION, TOTAL (UG/L)	METH-OXY-CHLOR, TOTAL (UG/L)	METHYL PARA-THION, TOTAL (UG/L)	METHYL TRI-THION, TOTAL (UG/L)	MIREX, TOTAL (UG/L)	PARA-THION, TOTAL (UG/L)	PER-THANE TOTAL (UG/L)	TOX-APHENE, TOTAL (UG/L)
SEP , 1979 17...	.000	.000	.00	.00	.00	.00	.00	.00	.00	.0
OCT 01...	--	--	--	--	--	--	--	--	--	--

DATE	TOTAL TRI-THION (UG/L)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)
SEP , 1979 17...	.00	3.21	.000
OCT 01...	--	.000	.000

* Results based on colony count outside the acceptable range (non-ideal count).

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

RED RIVER WATERWAYS PROJECT--Continued

312040092282600 RED RIVER (SITE 10), NEAR LEE HEIGHTS, LA

WATER QUALITY DATA

DATE	TIME	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	COLOR (PLAT-INUM-COBALT UNITS)	TUR-BID-ITY (JTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./100 ML)	HARD-NESS (MG/L AS CACO3)	HARD-NESS, NONCAR-BONATE (MG/L CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)
SEP , 1979 17...	1145	937	8.1	10	7	--	--	K4	270	97	73
OCT 01...	1030	673	6.5	10	60	8.7	.4	K30000	130	35	35

DATE	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	BICAR-BONATE (MG/L AS HCO3)	CAR-BONATE (MG/L AS CO3)	ALKA-LINITY (MG/L AS CACO3)	CARBON DIOXIDE DIS-SOLVED (MG/L AS CO2)	SULFATE DIS-SOLVED (MG/L AS SO4)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, DIS-SOLVED (TONS PER AC-FT)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)	SOLIDS, NON-VOLA-TILE, SUS-PENDED (MG/L)	SOLIDS, VOLA-TILE, SUS-PENDED (MG/L)
SEP , 1979 17...	21	210	0	172	2.7	95	530	.72	40	34	6
OCT 01...	9.7	112	0	92	58	80	365	.50	56	40	16

DATE	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS NH4)	PHOS-PHORUS, TOTAL (MG/L AS P)	PHOS-PHATE, TOTAL (MG/L AS PO4)	PHOS-PHORUS TOTAL (MG/L AS PO4)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P)	PCB, TOTAL (UG/L)	NAPH-THA-LENES, POLY-CHLOR, TOTAL (UG/L)
SEP , 1979 17...	.01	.00	.01	.33	.40	.10	.09	.31	.03	.1	.00
OCT 01...	.00	.02	.02	.08	.10	.12	.21	.37	.07	--	--

DATE	ALDRIN, TOTAL (UG/L)	CHLOR-DANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)	DDE, TOTAL (UG/L)	DDT, TOTAL (UG/L)	DI-AZINON, TOTAL (UG/L)	DI-ELDRIN TOTAL (UG/L)	ENDO-SULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ETHION, TOTAL (UG/L)	HEPTA-CHLOR, TOTAL (UG/L)
SEP , 1979 17...	.000	.0	.000	.000	.000	.00	.000	.000	.000	.00	.000
OCT 01...	--	--	--	--	--	--	--	--	--	--	--

DATE	HEPTA-CHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MALA-THION, TOTAL (UG/L)	METH-OXY-CHLOR, TOTAL (UG/L)	METHYL PARA-THION, TOTAL (UG/L)	METHYL TRI-THION, TOTAL (UG/L)	MIREX, TOTAL (UG/L)	PARA-THION, TOTAL (UG/L)	PER-THANE TOTAL (UG/L)	TOX-APHENE, TOTAL (UG/L)
SEP , 1979 17...	.000	.000	.00	.00	.00	.00	.00	.00	.00	.0
OCT 01...	--	--	--	--	--	--	--	--	--	--

DATE	TOTAL TRI-THION (UG/L)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)
SEP , 1979 17...	.00	38.9	.000
OCT 01...	--	20.8	.000

K Results based on colony count outside the acceptable range (non-ideal count).

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

RED RIVER WATERWAYS PROJECT--Continued

311756091532600 LARTO BAYOU AT MOUTH (SITE 3), NEAR ACME, LA

WATER QUALITY DATA

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	CALCIUM DISSOLVED (MG/L AS CA)
SEP , 1979											
17...	1140	1100	7.7	10	35	7.8	.8	--	270	88	71
OCT											
01...	1050	162	6.4	10	75	6.8	.2	K40	35	12	9.3

DATE	MAGNESIUM, DISSOLVED (MG/L AS MG)	BICARBONATE (MG/L AS HCO3)	CARBONATE (MG/L AS CO3)	ALKALINITY (MG/L AS CACO3)	CARBON DIOXIDE DISSOLVED (MG/L AS CO2)	SULFATE DISSOLVED (MG/L AS SO4)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	SOLIDS, DISSOLVED (TONS PER AC-FT)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)	SOLIDS, NONVOLATILE, SUSPENDED (MG/L)
SEP , 1979										
17...	23	224	0	184	7.2	99	619	.84	39	28
OCT										
01...	2.9	28	0	23	18	22	90	.12	66	44

DATE	SOLIDS, VOLATILE, SUSPENDED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS NH4)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHATE, TOTAL (MG/L AS PO4)	PHOSPHORUS TOTAL (MG/L AS PO4)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P)
SEP , 1979										
17...	11	.00	.02	.02	.25	.30	.07	.21	.21	.07
OCT										
01...	22	.05	.06	.11	.08	.10	--	.28	--	.09

DATE	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L)
SEP , 1979		
17...	31.3	1.72
OCT		
01...	12.7	.000

K Results based on colony count outside the acceptable range (non-ideal colony count).

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

RED RIVER WATERWAYS PROJECT--Continued

311742092245800 RED RIVER AT MILE 103.0 (SITE 102), NEAR SAMTOWN, LA

WATER QUALITY DATA

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)
SEP , 1979 17...	1045	944	8.2	10	30	9.3	2.1	K28	240	69	66	19
OCT 02...	1050	613	7.4	20	60	7.4	1.5	K180	140	54	38	10

DATE	BICARBONATE (MG/L AS HCO3)	CARBONATE (MG/L AS CO3)	ALKALINITY (MG/L AS CACO3)	CARBON DIOXIDE DISSOLVED (MG/L AS CO2)	SULFATE DISSOLVED (MG/L AS SO4)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	SOLIDS, DISSOLVED (TONS PER AC-FT)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)	SOLIDS, NONVOLATILE, SUSPENDED (MG/L)	SOLIDS, VOLATILE, SUSPENDED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)
SEP , 1979 17...	212	0	174	2.1	98	529	.72	46	21	25	.73	.02
OCT 02...	100	0	82	6.3	68	354	.48	85	85	0	.00	.02

DATE	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS NH4)	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, NH4 + ORG. SUSP. TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS NO3)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHATE, TOTAL (MG/L AS PO4)	PHOSPHORUS TOTAL (MG/L AS PO4)
SEP , 1979 17...	.75	.45	.54	1.2	1.6	.98	.62	2.4	10	.13	.15	.40
OCT 02...	.02	.16	.19	.94	1.1	.36	.74	1.1	4.9	.11	.03	.34

DATE	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CADMIUM SUSPENDED RECOVERABLE (UG/L AS CD)	CADMIUM DISSOLVED (UG/L AS CD)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	COPPER, SUSPENDED RECOVERABLE (UG/L AS CU)	COPPER, DISSOLVED (UG/L AS CU)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	MANGANESE, SUSPENDED RECOV. (UG/L AS MN)	MANGANESE, DISSOLVED (UG/L AS MN)	MERCURY DISSOLVED (UG/L AS HG)	PCB, TOTAL (UG/L)
SEP , 1979 17...	.05	2	0	2	0	--	1	240	240	5	.0	--
OCT 02...	.01	0	--	<1	1	0	1	150	150	1	.0	.0

DATE	NAPHTHALENES, POLYCHLOR. TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	CHLORDANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)	DDE, TOTAL (UG/L)	DDT, TOTAL (UG/L)	DIAZINON, TOTAL (UG/L)	DIELDRIN TOTAL [illegible]	ENDOSULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ETHION, TOTAL (UG/L)
SEP , 1979 17...	--	--	--	--	--	--	.00	--	--	--	.00
OCT 02...	.00	.000	.0	.000	.000	.000	.00	.000	.000	.000	.00

< Actual value is known to be less than the value shown.

K Results based on colony count outside the acceptable range (non-ideal count).

311742092245800 RED RIVER AT MILE 103.0 (SITE 102), NEAR SAMTOWN, LA--Continued

WATER QUALITY DATA

DATE	HEPTA-CHLOR, TOTAL (UG/L)	HEPTA-CHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MALA-THION, TOTAL (UG/L)	METH-OXY-CHLOR, TOTAL (UG/L)	METHYL PARA-THION, TOTAL (UG/L)	METHYL TRI-THION, TOTAL (UG/L)	MIREX, TOTAL (UG/L)	PARA-THION, TOTAL (UG/L)	PER-THANE TOTAL (UG/L)	TOX-APHENE, TOTAL (UG/L)
SEP , 1979											
17...	--	--	--	.00	--	.00	.00	--	.00	.00	--
OCT											
02...	.000	.000	.000	.00	.00	.00	.00	.00	.00	.00	.0

DATE	TOTAL TRI-THION (UG/L)	2,4-D, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)
SEP , 1979						
17...	.00	--	--	--	48.5	.000
OCT						
02...	.00	.08	.07	.00	34.7	.980

RED RIVER WATERWAYS PROJECT--Continued

311740092245070 RED RIVER AT MILE 102.8 (SITE 40), AT PINEVILLE, LA

WATER QUALITY DATA

DATE	TIME	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	COLOR (PLAT-INUM-COBALT UNITS)	TUR-BID-ITY (JTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./100 ML)	HARD-NESS (MG/L AS CACO3)	HARD-NESS, NONCAR-BONATE (MG/L CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)
SEP , 1979 18...	1304	393	6.8	5	40	8.5	2.6	12000	110	61	31
OCT 02...	1115	500	7.2	30	70	7.7	.7	160	65	0	7.9

DATE	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	BICAR-BONATE (MG/L AS HCO3)	CAR-BONATE (MG/L AS CO3)	ALKA-LINITY (MG/L AS CACO3)	CARBON DIOXIDE DIS-SOLVED (MG/L AS CO2)	SULFATE DIS-SOLVED (MG/L AS SO4)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, DIS-SOLVED (TONS PER AC-FT)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)	SOLIDS, NON-VOLA-TILE, SUS-PENDED (MG/L)
SEP , 1979 18...	8.4	62	0	51	16	32	244	.33	62	42
OCT 02...	11	98	0	80	9.8	66	332	.45	110	80

DATE	SOLIDS, VOLA-TILE, SUS-PENDED (MG/L)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS NH4)	PHOS-PHATE, TOTAL (MG/L AS PO4)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P)
SEP , 1979 18...	20	.12	.02	.14	.20	.24	.64	.21
OCT 02...	30	.00	.02	.02	.23	.28	.34	.11

DATE	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)
SEP , 1979 18...	15.4	.400
OCT 02...	36.5	.000

RED RIVER WATERWAYS PROJECT--Continued

311740091535900 RED RIVER AT MILE 40.0 (SITE 101), NEAR MONCLA, LA

WATER QUALITY DATA

DATE	TIME	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	COLOR (PLAT-INUM-COBALT UNITS)	TUR-BID-ITY (JTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./100 ML)	HARD-NESS (MG/L AS CACO3)	HARD-NESS, NONCAR-BONATE (MG/L CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)
SEP , 1979 17...	1155	1100	8.2	15	20	7.8	1.1	--	250	68	70	19
OCT 01...	1100	732	7.9	15	70	8.1	.7	K10	150	48	39	13

DATE	BICAR-BONATE (MG/L AS HCO3)	CAR-BONATE (MG/L AS CO3)	ALKA-LINITY (MG/L AS CACO3)	CARBON DIOXIDE DIS-SOLVED (MG/L AS CO2)	SULFATE DIS-SOLVED (MG/L AS SO4)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, DIS-SOLVED (TONS PER AC-FT)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)	SOLIDS, NON-VOLA-TILE, SUS-PENDED (MG/L)	SOLIDS, VOLA-TILE, SUS-PENDED (MG/L)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)
SEP , 1979 17...	226	0	185	2.3	100	634	.86	22	18	4	.00	.02
OCT 01...	126	0	103	2.5	62	420	.57	11	0	11	.00	.02

DATE	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS NH4)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, NH4 + ORG. SUSP. TOTAL (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC DIS. (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS NO3)	PHOS-PHORUS, TOTAL (MG/L AS P)	PHOS-PHATE, TOTAL (MG/L AS PO4)	PHOS-PHORUS TOTAL (MG/L AS PO4)
SEP , 1979 17...	.02	.67	.81	.93	1.6	.61	.99	1.6	7.1	.08	--	.25
OCT 01...	.02	.07	.08	1.2	1.3	.52	.78	1.3	5.8	.14	.12	.43

DATE	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)	CADMIUM SUS-PENDED RECOV-ERABLE (UG/L AS CD)	CADMIUM DIS-SOLVED (UG/L AS CD)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	COPPER, SUS-PENDED RECOV-ERABLE (UG/L AS CU)	COPPER, DIS-SOLVED (UG/L AS CU)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MANGA-NESE, SUS-PENDED RECOV. (UG/L AS MN)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	MERCURY DIS-SOLVED (UG/L AS HG)	PCB, TOTAL (UG/L)
SEP , 1979 17...	--	0	--	<1	0	--	2	170	100	70	.1	.0
OCT 01...	.04	0	--	<1	3	1	2	140	140	<1	.0	.0

DATE	NAPH-THA-LENES, POLY-CHLOR. TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	CHLOR-DANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)	DDE, TOTAL (UG/L)	DDT, TOTAL (UG/L)	DI-AZINON, TOTAL (UG/L)	DI-ELDRIN TOTAL (UG/L)	ENDO-SULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ETHION, TOTAL (UG/L)
SEP , 1979 17...	.00	.000	.0	.000	.000	.000	.00	.000	.000	.000	.00
OCT 01...	.00	.000	.0	.000	.000	.000	.01	.000	.000	.000	.00

< Actual value is known to be less than the value shown.

K Results based on colony count outside the acceptable range (non-ideal count).

RED RIVER WATERWAYS PROJECT--Continued

311740091535900 RED RIVER AT MILE 40.0 (SITE 101), NEAR MONCLA, LA--Continued

WATER QUALITY DATA

DATE	HEPTA-CHLOR, TOTAL (UG/L)	HEPTA-CHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MALA-THION, TOTAL (UG/L)	METH-OXY-CHLOR, TOTAL (UG/L)	METHYL PARA-THION, TOTAL (UG/L)	METHYL TRI-THION, TOTAL (UG/L)	MIREX, TOTAL (UG/L)	PARA-THION, TOTAL (UG/L)	PER-THANE TOTAL (UG/L)	TOX-APHENE, TOTAL (UG/L)
SEP , 1979											
17...	.000	.000	.000	.00	.00	.00	.00	.00	.00	.00	.0
OCT											
01...	.000	.000	.000	.00	.00	.00	.00	.00	.00	.00	.0

DATE	TOTAL TRI-THION (UG/L)	2,4-D, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)
SEP , 1979						
17...	.00	.02	.01	.00	29.7	1.39
OCT						
01...	.00	.23	.05	.00	33.9	.000

RED RIVER WATERWAYS PROJECT--Continued

311710092240070 RED RIVER AT MILE 101.5 AT HUDSON BOULEVARD (SITE 39), AT ALEXANDRIA, LA

WATER QUALITY DATA

DATE	TIME	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	COLOR (PLAT-INUM-COBALT UNITS)	TUR-BID-ITY (JTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./100 ML)	HARD-NESS (MG/L AS CACO3)	HARD-NESS, NONCAR-BONATE (MG/L CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)
SEP , 1979											
18...	1245	838	7.9	15	25	9.5	5.4	K18000	190	10	51
OCT											
02...	1045	616	7.3	30	75	7.6	.3	320	140	61	39

DATE	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	BICAR-BONATE (MG/L AS HCO3)	CAR-BONATE (MG/L AS CO3)	ALKA-LINITY (MG/L AS CACO3)	CARBON DIOXIDE DIS-SOLVED (MG/L AS CO2)	SULFATE DIS-SOLVED (MG/L AS SO4)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, DIS-SOLVED (TONS PER AC-FT)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)	SOLIDS, NON-VOLA-TILE, SUS-PENDED (MG/L)
SEP , 1979										
18...	16	223	0	183	4.5	75	483	.66	46	14
OCT										
02...	11	100	0	82	8.2	68	345	.47	86	53

DATE	SOLIDS, VOLA-TILE, SUS-PENDED (MG/L)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS NH4)	PHOS-PHORUS, TOTAL (MG/L AS P)	PHOS-PHATE, TOTAL (MG/L AS PO4)	PHOS-PHORUS TOTAL (MG/L AS PO4)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P)
SEP , 1979										
18...	32	2.3	.08	2.4	.17	.21	1.1	2.6	3.4	.85
OCT										
02...	33	.00	.02	.02	.02	.02	.18	.09	.55	.03

DATE	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)
SEP , 1979		
18...	59.3	4.21
OCT		
02...	28.1	.000

K Results based on colony count outside the acceptable range (non-ideal count).

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

RED RIVER WATERWAYS PROJECT--Continued

311620092233270 RED RIVER AT MILE 100.2 (SITE 41), NEAR PINEVILLE, LA

WATER QUALITY DATA

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	CALCIUM DISSOLVED (MG/L AS CA)
OCT , 1979											
02...	1100	606	7.4	30	55	7.5	1.7	K140	140	60	37

DATE	MAGNESIUM, DISSOLVED (MG/L AS MG)	BICARBONATE (MG/L AS HCO3)	CARBONATE (MG/L AS CO3)	ALKALINITY (MG/L AS CACO3)	CARBON DIOXIDE DISSOLVED (MG/L AS CO2)	SULFATE DISSOLVED (MG/L AS SO4)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	SOLIDS, DISSOLVED (TONS PER AC-FT)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)	SOLIDS, NONVOLATILE, SUSPENDED (MG/L)
OCT , 1979										
02...	12	100	0	82	6.3	72	331	.45	63	48

DATE	SOLIDS, VOLATILE, SUSPENDED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS NH4)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHATE, TOTAL (MG/L AS PO4)	PHOSPHORUS TOTAL (MG/L AS PO4)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P)
OCT , 1979										
02...	15	.00	.02	.02	.05	.06	.05	.06	.15	.02

DATE	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L)
OCT , 1979		
02...	21.9	.000

K Results based on colony count outside the acceptable range (non-ideal count).

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

RED RIVER WATERWAYS PROJECT--Continued

07373270 BLACK RIVER (SITE 2), AT ACME, LA

WATER QUALITY DATA

DATE	TIME	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	COLOR (PLAT-INUM-COBALT UNITS)	TUR-BID-ITY (JTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./100 ML)	HARD-NESS (MG/L AS CACO3)	HARD-NESS, NONCAR-BONATE (MG/L CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)
SEP , 1979											
17...	1115	308	6.6	50	25	6.2	1.5	--	75	23	18
OCT											
01...	1010	178	6.4	15	80	4.6	3.4	K100	56	20	16

DATE	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	BICAR-BONATE (MG/L AS HCO3)	CAR-BONATE (MG/L AS CO3)	ALKA-LINITY (MG/L AS CACO3)	CARBON DIOXIDE DIS-SOLVED (MG/L AS CO2)	SULFATE DIS-SOLVED (MG/L AS SO4)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, DIS-SOLVED (TONS PER AC-FT)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)	SOLIDS, NON-VOLA-TILE, SUS-PENDED (MG/L)
SEP , 1979										
17...	7.3	64	0	52	26	26	179	.24	19	0
OCT										
01...	3.9	44	0	36	28	25	112	.15	0	0

DATE	SOLIDS, VOLA-TILE, SUS-PENDED (MG/L)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS NH4)	PHOS-PHORUS, TOTAL (MG/L AS P)	PHOS-PHATE, TOTAL (MG/L AS PO4)	PHOS-PHORUS TOTAL (MG/L AS PO4)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P)
SEP , 1979										
17...	28	.52	.04	.56	.15	.18	.13	.28	.40	.09
OCT										
01...	8	.23	.02	.25	.12	.15	--	.21	--	.07

DATE	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)
SEP , 1979		
17...	.000	.000
OCT		
01...	2.59	.000

K Results based on colony count outside the acceptable range (non-ideal colony count).

RED RIVER WATERWAYS PROJECT--Continued

311532092230800 RED RIVER AT MILE 100.0 (SITE 9), NEAR SAMTOWN, LA

WATER QUALITY DATA

DATE	TIME	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	COLOR (PLAT-INUM-COBALT UNITS)	TUR-BID-ITY (JTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	HARD-NESS (MG/L AS CACO3)	HARD-NESS, NONCAR-BONATE (MG/L CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)
SEP . 1979											
18...	1130	879	7.8	10	30	7.8	2.4	330	250	74	67
OCT											
02...	1020	619	7.3	15	50	7.4	.9	640	130	49	36

DATE	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	BICAR-BONATE (MG/L AS HCO3)	CAR-BONATE (MG/L AS CO3)	ALKA-LINITY (MG/L AS CACO3)	CARBON DIOXIDE DIS-SOLVED (MG/L AS CO2)	SULFATE DIS-SOLVED (MG/L AS SO4)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L,	SOLIDS, DIS-SOLVED (TONS PER AC-FT)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)	SOLIDS, NON-VOLA-TILE, SUS-PENDED (MG/L)
SEP . 1979										
18...	20	214	0	176	5.4	85	500	.68	80	49
OCT										
02...	10	100	0	82	8.2	74	350	.48	76	62

DATE	SOLIDS, VOLA-TILE, SUS-PENDED (MG/L)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS NH4)	PHOS-PHORUS, TOTAL (MG/L AS P)	PHOS-PHATE, TOTAL (MG/L AS PO4)	PHOS-PHORUS TOTAL (MG/L AS PO4)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P)
SEP . 1979										
18...	31	.00	.02	.02	.38	.46	.12	.21	.37	.07
OCT										
02...	14	.02	.00	.02	.08	.10	.13	.12	.40	.04

DATE	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)
SEP . 1979		
18...	42.9	.000
OCT		
02...	38.5	.000

RED RIVER WATERWAYS PROJECT--Continued

311440091571500 RED RIVER AT MILE 50.0 (SITE 4), NEAR MONCLA, LA

WATER QUALITY DATA

DATE	TIME	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	COLOR (PLAT-INUM-COBALT UNITS)	TUR-BID-ITY (JTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./100 ML)	HARD-NESS (MG/L AS CACO3)	HARD-NESS, NONCAR-BONATE (MG/L CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)
SEP , 1979											
17...	1232	1100	7.8	5	30	7.7	.1	--	280	93	74
OCT											
01...	1140	576	7.6	20	70	7.7	.8	K40	150	51	42

DATE	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	BICAR-BONATE (MG/L AS HCO3)	CAR-BONATE (MG/L AS CO3)	ALKA-LINITY (MG/L AS CACO3)	CARBON DIOXIDE DIS-SOLVED (MG/L AS CO2)	SULFATE DIS-SOLVED (MG/L AS SO4)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, DIS-SOLVED (TONS PER AC-FT)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)	SOLIDS, NON-VOLA-TILE, SUS-PENDED (MG/L)
SEP , 1979										
17...	24	232	0	190	5.8	100	624	.85	116	113
OCT										
01...	12	126	0	103	5.0	57	330	.45	126	78

DATE	SOLIDS, VOLA-TILE, SUS-PENDED (MG/L)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS NH4)	PHOS-PHORUS, TOTAL (MG/L AS P)	PHOS-PHATE, TOTAL (MG/L AS PO4)	PHOS-PHORUS TOTAL (MG/L AS PO4)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P)
SEP , 1979										
17...	3	.00	.02	.02	.22	.27	--	.18	--	.06
OCT										
01...	48	.00	.02	.02	.03	.04	.06	.12	.18	.04

DATE	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)
SEP , 1979		
17...	31.4	.000
OCT		
01...	51.0	.510

K Results based on colony count outside the acceptable range (non-ideal count).

RED RIVER WATERWAYS PROJECT--Continued

311320091464700 RED RIVER (SITE 1), NEAR ACME, LA

WATER QUALITY DATA

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	CALCIUM DISSOLVED (MG/L AS CA)
SEP , 1979											
17...	1045	706	7.6	50	20	6.9	.7	--	170	57	43
OCT											
01...	0943	399	6.6	15	70	6.2	1.4	K40	110	35	31

DATE	MAGNESIUM, DISSOLVED (MG/L AS MG)	BICARBONATE (MG/L AS HCO3)	CARBONATE (MG/L AS CO3)	ALKALINITY (MG/L AS CACO3)	CARBON DIOXIDE DISSOLVED (MG/L AS CO2)	SULFATE DISSOLVED (MG/L AS SO4)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	SOLIDS, DISSOLVED (TONS PER AC-FT)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)	SOLIDS, NONVOLATILE, SUSPENDED (MG/L)
SEP . 1979										
17...	14	132	0	108	5.3	64	382	.52	19	11
OCT										
01...	7.7	90	0	74	36	34	238	.32	48	15

DATE	SOLIDS, VOLATILE, SUSPENDED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS NH4)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHATE, TOTAL (MG/L AS PO4)	PHOSPHORUS TOTAL (MG/L AS PO4)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P)
SEP . 1979										
17...	8	.25	.02	.27	.18	.22	.12	.25	.37	.08
OCT										
01...	33	.12	.02	.14	.19	.23	.09	.06	.28	.02

DATE	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L)
SEP . 1979		
17...	11.3	.000
OCT		
01...	22.0	.000

K Results based on colony count outside the acceptable range (non-ideal colony count).

RED RIVER WATERWAYS PROJECT--Continued

311203092032800 RED RIVER AT MILE 60.0 (SITE 5), NEAR MONCLA, LA

WATER QUALITY DATA

DATE	TIME	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	COLOR (PLAT-INUM-COBALT UNITS)	TUR-BID-ITY (JTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./100 ML)	HARD-NESS (MG/L AS CACO3)	HARD-NESS, NONCAR-BONATE (MG/L CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)
SEP , 1979											
17...	1300	991	8.0	10	20	8.5	1.2	--	260	74	70
OCT											
01...	1230	600	7.7	15	45	8.6	1.7	K100	150	45	43

DATE	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	BICAR-BONATE (MG/L AS HCO3)	CAR-BONATE (MG/L AS CO3)	ALKA-LINITY (MG/L AS CACO3)	CARBON DIOXIDE DIS-SOLVED (MG/L AS CO2)	SULFATE DIS-SOLVED (MG/L AS SO4)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, DIS-SOLVED (TONS PER AC-FT)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)	SOLIDS, NON-VOLA-TILE, SUS-PENDED (MG/L)
SEP , 1979										
17...	21	228	0	187	3.6	100	548	.75	34	29
OCT										
01...	10	126	0	103	4.0	61	343	.47	158	112

DATE	SOLIDS, VOLA-TILE, SUS-PENDED (MG/L)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS NH4)	PHOS-PHORUS, TOTAL (MG/L AS P)	PHOS-PHATE, TOTAL (MG/L AS PO4)	PHOS-PHORUS TOTAL (MG/L AS PO4)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P)
SEP , 1979										
17...	5	.00	.02	.02	.16	.19	--	.15	--	.05
OCT										
01...	46	.00	.02	.02	.04	.05	.05	.12	.15	.04

DATE	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)
SEP , 1979		
17...	34.2	.000
OCT		
01...	30.8	.000

K Results based on colony count outside the acceptable range (non-ideal count).

311136092185200 RED RIVER AT MILE 90.0 (SITE 8), NEAR ECHO, LA

WATER QUALITY DATA

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	CALCIUM DISSOLVED (MG/L AS CA)
SEP , 1979											
18...	1030	920	7.8	10	35	8.4	2.9	K160	260	83	70
OCT											
02...	0940	648	7.3	15	65	7.6	.1	K130	150	64	44

DATE	MAGNESIUM, DISSOLVED (MG/L AS MG)	BICARBONATE (MG/L AS HCO3)	CARBONATE (MG/L AS CO3)	ALKALINITY (MG/L AS CACO3)	CARBON DIOXIDE DISSOLVED (MG/L AS CO2)	SULFATE DISSOLVED (MG/L AS SO4)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	SOLIDS, DISSOLVED (TONS PER AC-FT)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)	SOLIDS, NONVOLATILE, SUSPENDED (MG/L)
SEP , 1979										
18...	20	212	0	174	5.3	94	522	.71	80	56
OCT										
02...	9.5	104	0	85	8.5	74	365	.50	92	72

DATE	SOLIDS, VOLATILE, SUSPENDED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS NH4)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHATE, TOTAL (MG/L AS PO4)	PHOSPHORUS TOTAL (MG/L AS PO4)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P)
SEP , 1979										
18...	24	.00	.02	.02	.35	.42	.06	.18	.18	.06
OCT										
02...	20	.00	.02	.02	.16	.19	.05	.12	.15	.04

DATE	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L)
SEP , 1979		
18...	37.9	.000
OCT		
02...	44.2	.000

K Results based on colony count outside the acceptable range (non-ideal count).

RED RIVER WATERWAYS PROJECT--Continued

311100092100600 RED RIVER AT MILE 70.0 (SITE 6), NEAR MONCLA, LA

WATER QUALITY DATA

DATE	TIME	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	COLOR (PLAT-INUM-COBALT UNITS)	TUR-BID-ITY (JTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./100 ML)	HARD-NESS (MG/L AS CACO3)	HARD-NESS, NONCAR-BONATE (MG/L CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)
SEP , 1979											
18...	0910	956	8.0	5	10	8.2	1.9	K90	270	87	74
OCT											
02...	0830	693	7.2	15	70	7.1	.9	--	150	56	42

DATE	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	BICAR-BONATE (MG/L AS HCO3)	CAR-BONATE (MG/L AS CO3)	ALKA-LINITY (MG/L AS CACO3)	CARBON DIOXIDE DIS-SOLVED (MG/L AS CO2)	SULFATE DIS-SOLVED (MG/L AS SO4)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, DIS-SOLVED (TONS PER AC-FT)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)	SOLIDS, NON-VOLA-TILE, SUS-PENDED (MG/L)
SEP , 1979										
18...	20	220	0	180	3.5	97	536	.73	29	22
OCT										
02...	10	110	0	90	11	78	385	.52	102	62

DATE	SOLIDS, VOLA-TILE, SUS-PENDED (MG/L)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS NH4)	PHOS-PHORUS, TOTAL (MG/L AS P)	PHOS-PHATE, TOTAL (MG/L AS PO4)	PHOS-PHORUS TOTAL (MG/L AS PO4)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P)
SEP , 1979										
18...	7	.00	.02	.02	.29	.35	.07	.15	.21	.05
OCT										
02...	40	.00	.02	.02	.05	.06	.05	.12	.15	.04

DATE	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)
SEP , 1979		
18...	41.3	.000
OCT		
02...	40.7	.000

K Results based on colony count outside the acceptable range (non-ideal count).

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

RED RIVER WATERWAYS PROJECT--Continued

310900092141600 RED RIVER AT MILE 80.0 (SITE 7), NEAR ECHO, LA

WATER QUALITY DATA

DATE	TIME	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	COLOR (PLAT-INUM-COBALT UNITS)	TUR-BID-ITY (JTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./100 ML)	HARD-NESS (MG/L AS CACO3)	HARD-NESS, NONCAR-BONATE (MG/L CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)
SEP , 1979											
18...	0950	913	7.9	10	30	8.7	3.5	K80	260	79	71
OCT											
02...	0900	668	7.3	20	80	6.6	.7	K130	140	55	42

DATE	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	BICAR-BONATE (MG/L AS HCO3)	CAR-BONATE (MG/L AS CO3)	ALKA-LINITY (MG/L AS CACO3)	CARBON DIOXIDE DIS-SOLVED (MG/L AS CO2)	SULFATE DIS-SOLVED (MG/L AS SO4)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, DIS-SOLVED (TONS PER AC-FT)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)	SOLIDS, NON-VOLA-TILE, SUS-PENDED (MG/L)
SEP , 1979										
18...	28	220	0	180	4.4	95	534	.73	77	52
OCT										
02...	9.3	108	0	89	8.9	76	400	.54	134	89

DATE	SOLIDS, VOLA-TILE, SUS-PENDED (MG/L)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS NH4)	PHOS-PHORUS, TOTAL (MG/L AS P)	PHOS-PHATE, TOTAL (MG/L AS PO4)	PHOS-PHORUS TOTAL (MG/L AS PO4)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P)
SEP , 1979										
18...	25	.00	.02	.02	.32	.39	.30	.15	.92	.05
OCT										
02...	45	.00	.02	.02	.05	.06	.08	.12	.25	.04

DATE	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)
SEP , 1979		
18...	36.5	.000
OCT		
02...	33.1	.000

K Results based on colony count outside the acceptable range (non-ideal count).

LAKE BRUIN LIMNOLOGICAL INVESTIGATION

The following water-quality sites are being sampled as part of a two-year limnological study on Lake Bruin, in cooperation with the Louisiana Department of Transportation and Development, Office of Public Works.

320004091120700 LAKE BRUIN IN CENTER NEAR NEWELLTON, LA

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	SAMPLING DEPTH (FT)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE, WATER (DEG C)	COLOR (PLATINUM COBALT UNITS)	TURBIDITY (JTU)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	C.O.D. TOTAL IN BOTTOM MATERIAL (MG/KG)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)
JUN												
25...	1605	.7	132	8.3	29.0	5	2	9.3	16	49000	21	<20
25...	1606	59	145	6.7	16.5	--	--	.1	--	--	--	--
AUG												
20...	1520	.7	143	8.6	33.5	10	8	8.7	23	85000	2.3	<10

DATE	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM ADSORPTION RATIO	POTASSIUM, DISSOLVED (MG/L AS K)	BICARBONATE (MG/L AS HCO3)	CARBONATE (MG/L AS CO3)	ALKALINITY (MG/L AS CACO3)
JUN												
25...	<20	61	0	17	4.4	2.2	7	.1	3.8	76	0	62
25...	--	--	--	--	--	--	--	--	--	--	--	--
AUG												
20...	<10	64	--	18	4.7	2.5	7	.1	3.8	--	--	--

DATE	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)	SOLIDS, VOLATILE IN BOTTOM MATERIAL (MG/KG)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRATE DISSOLVED (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NITRITE DISSOLVED (MG/L AS N)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)
JUN												
25...	1.3	1.9	2	144000	.00	--	.00	--	.00	.00	.07	.00
25...	--	--	--	--	--	.00	--	.00	--	.00	--	.43
AUG												
20...	1.4	2.3	15	14000	.00	--	.02	--	.02	.00	.05	.04

DATE	NITROGEN, NH4 TOTAL IN BOT. MAT. (MG/KG AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS NH4)	NITROGEN, AMMONIA DISSOLVED (MG/L AS NH4)	NITROGEN, ORGANIC DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, NH4 + ORG. SUSP. TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N)	NITROGEN, NH4 + ORG. TOT IN BOT MAT (MG/KG AS N)	NITROGEN, DISSOLVED (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, TOTAL (MG/L AS PO4)	PHOSPHORUS, DISSOLVED (MG/L AS P)
JUN												
25...	330	.09	.00	.90	.88	--	.90	3700	.90	.020	.06	.020
25...	--	--	.55	.77	--	--	--	--	1.2	--	--	.000
AUG												
20...	290	.06	.05	.65	1.1	.41	.69	3500	.69	.040	.12	.020

DATE	PHOSPHORUS, ORTHOPHOSPHATE DISSOL. (MG/L AS P)	PHOSPHORUS, ORTHOPHOSPHATE DISSOL. (MG/L AS PO4)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC SUSPENDED TOTAL (UG/L AS AS)	ARSENIC DISSOLVED (UG/L AS AS)	ARSENIC TOTAL IN BOTTOM MATERIAL (UG/G AS AS)	BERYLLIUM, TOTAL RECOVERABLE (UG/L AS BE)	BERYLLIUM, DISSOLVED (UG/L AS BE)	BERYLLIUM, RECOV. FM BOTTOM MATERIAL (UG/G)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CADMIUM DISSOLVED (UG/L AS CD)	CADMIUM RECOV. FM BOTTOM MATERIAL (UG/G AS CD)
JUN												
25...	.00	.00	4	2	2	20	0	<1	1	0	<1	1
25...	.01	.03	--	--	20	--	--	10	--	--	0	--
AUG												
20...	.00	.00	5	4	1	30	0	<1	1	1	<1	7

< Actual value is known to be less than the value shown.

LAKE BRUIN LIMNOLOGICAL INVESTIGATION--Continued

320004091120700 LAKE BRUIN IN CENTER NEAR NEWELLTON, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)	CHROMIUM, RECOV. FM BOTTOM MATERIAL (UG/G)	CHROMIUM, HEXAVALENT, DIS. (UG/L AS CR)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	COPPER, SUSPENDED RECOVERABLE (UG/L AS CU)	COPPER, DISSOLVED (UG/L AS CU)	COPPER, RECOV. FM BOTTOM MATERIAL (UG/G AS CU)	IRON, DISSOLVED (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	LEAD, SUSPENDED RECOVERABLE (UG/L AS PB)	LEAD, DISSOLVED (UG/L AS PB)
JUN											
25...	0	10	0	5	3	2	27	10	5	5	0
25...	--	--	0	--	--	3	--	80	--	--	0
AUG											
20...	20	12	0	12	9	3	31	10	6	4	2

DATE	LEAD, RECOV. FM BOTTOM MATERIAL (UG/G AS PB)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	MANGANESE, SUSPENDED RECOV. (UG/L AS MN)	MANGANESE, DISSOLVED (UG/L AS MN)	MANGANESE, RECOV. FM BOTTOM MATERIAL (UG/G)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	MERCURY SUSPENDED RECOVERABLE (UG/L AS HG)	MERCURY DISSOLVED (UG/L AS HG)	MERCURY RECOV. FM BOTTOM MATERIAL (UG/G AS HG)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI)	NICKEL, DISSOLVED (UG/L AS NI)
JUN											
25...	20	30	24	6	980	.2	.2	.0	.04	2	4
25...	--	--	--	800	--	--	--	.0	--	--	5
AUG											
20...	30	20	15	5	920	.1	--	.2	.05	3	4

DATE	NICKEL, RECOV. FM BOTTOM MATERIAL (UG/G AS NI)	SELENIUM, TOTAL (UG/L AS SE)	SELENIUM, SUSPENDED TOTAL (UG/L AS SE)	SELENIUM, DISSOLVED (UG/L AS SE)	SELENIUM, TOTAL IN BOTTOM MATERIAL (UG/G)	VANADIUM, DISSOLVED (UG/L AS V)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)	ZINC, SUSPENDED RECOVERABLE (UG/L AS ZN)	ZINC, DISSOLVED (UG/L AS ZN)	ZINC, RECOV. FM BOTTOM MATERIAL (UG/G AS ZN)
JUN										
25...	[illegible]	[illegible]	0	0	0	1.0	0	--	<3	76
25...	--	--	--	0	--	--	--	--	20	--
AUG										
20...	30	0	0	0	0	2.0	50	30	20	82

DATE	CARBON, ORGANIC DISSOLVED (MG/L AS C)	CARBON, ORGANIC SUSPENDED (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	CYANIDE TOTAL IN BOTTOM MATERIAL (UG/G AS CN)	PHENOLS (UG/L)	OIL AND GREASE, TOTAL RECOV. GRAVIMETRIC (MG/L)	OIL AND GREASE, TOT. IN BOT MAT GRAVIMETRIC (MG/KG)	PCB, TOTAL (UG/L)	PCB, TOTAL IN BOTTOM MATERIAL (UG/KG)	NAPHTHALENES, POLYCHLOR. TOTAL (UG/L)	PCN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ALDRIN, TOTAL (UG/L)
JUN												
25...	7.0	.7	.00	1	3	2	0	.0	0	.00	.0	.000
AUG												
20...	5.3	.9	--	0	--	--	0	.0	0	.00	--	.000

DATE	ALDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	CHLORDANE, TOTAL (UG/L)	CHLORDANE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDE, TOTAL (UG/L)	DDE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIAZINON, TOTAL (UG/L)	DIAZINON, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIELDRIN TOTAL (UG/L)
JUN												
25...	.0	.0	0	.001	120	.000	48	.006	7.7	.00	.0	.000
AUG												
20...	.9	.0	13	.000	76	.000	63	.000	17	.00	.0	.000

< Actual value is known to be less than the value shown.

LAKE BRUIN LIMNOLOGICAL INVESTIGATION--Continued

320004091120700 LAKE BRUIN IN CENTER NEAR NEWELLTON, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	DI-ELDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDOSULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ENDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ETHION, TOTAL (UG/L)	ETHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR, TOTAL (UG/L)	HEPTACHLOR, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR EPOXIDE TOTAL (UG/L)	HEPTACHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOTTOM MATERIAL (UG/KG)
JUN 25...	1.3	.000	.000	.9	.00	.0	.000	.0	.000	.0	.000	.0
AUG 20...	.0	.000	.000	.0	.00	.0	.000	.0	.000	.0	.000	.0

DATE	MALATHION, TOTAL (UG/L)	MALATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	METHOXYCHLOR, TOTAL (UG/L)	METHOXYCHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARATHION, TOTAL (UG/L)	METHYL PARATHION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRITHION, TOTAL (UG/L)	METHYL TRITHION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, TOTAL (UG/L)	MIREX, TOTAL IN BOTTOM MATERIAL (UG/KG)	PARATHION, TOTAL (UG/L)
JUN 25...	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
AUG 20...	.00	.0	.00	.0	.00	.0	.00	.0	.00	--	.00

DATE	PARATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	PERTHANE TOTAL (UG/L)	TOXAPHENE, TOTAL (UG/L)	TOXAPHENE, TOTAL IN BOTTOM MATERIAL (UG/KG)	TOTAL TRITHION (UG/L)	TRITHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	2,4-D, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L)
JUN 25...	.0	.00	.0	0	.00	.0	.08	.00	.00	19.0	1.27
AUG 20...	.0	.00	.0	0	.00	.0	.08	.00	.00	6.81	.000

DATE	BED MAT. FALL DIAM. % FINER THAN .004 MM	BED MAT. SIEVE DIAM. % FINER THAN .062 MM	BED MAT. SIEVE DIAM. % FINER THAN .125 MM	BED MAT. SIEVE DIAM. % FINER THAN .250 MM	BED MAT. SIEVE DIAM. % FINER THAN .500 MM	BED MAT. SIEVE DIAM. % FINER THAN 1.00 MM
JUN 25...	14	45	95	100	100	100

315917091125000 LAKE BRUIN AT NORTH INTERIOR DRAINAGE, NEAR NEWELLTON, LA

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	C.O.D. TOTAL IN BOTTOM MATERIAL (MG/KG)	SOLIDS, VOLATILE IN BOTTOM MATERIAL (MG/KG)	NITROGEN,NH4 TOTAL IN BOT. MAT. (MG/KG AS N)	NITROGEN,NH4 + ORG. TOT IN BOT MAT (MG/KG AS N)	ARSENIC TOTAL IN BOTTOM MATERIAL (UG/G AS AS)	BERYLLIUM, RECOV. FM BOTTOM MATERIAL (UG/G)	CADMIUM RECOV. FM BOTTOM MATERIAL (UG/G AS CD)	CHROMIUM, RECOV. FM BOTTOM MATERIAL (UG/G)	COPPER, RECOV. FM BOTTOM MATERIAL (UG/G AS CU)
JUN 26...	0900	16000	50200	92	970	15	0	3	2	4

DATE	LEAD, RECOV. FM BOTTOM MATERIAL (UG/G AS PB)	MANGANESE, RECOV. FM BOTTOM MATERIAL (UG/G)	MERCURY RECOV. FM BOTTOM MATERIAL (UG/G AS HG)	NICKEL, RECOV. FM BOTTOM MATERIAL (UG/G AS NI)	SELENIUM, TOTAL IN BOTTOM MATERIAL (UG/G)	ZINC, RECOV. FM BOTTOM MATERIAL (UG/G AS ZN)	CYANIDE TOTAL IN BOTTOM MATERIAL (UG/G AS CN)	OIL AND GREASE, TOT. IN BOT MAT GRAVIMETRIC (MG/KG)	PCB, TOTAL IN BOTTOM MATERIAL (UG/KG)	PCN, TOTAL IN BOTTOM MATERIAL (UG/KG)
JUN 26...	10	100	.03	10	0	16	0	0	0	.0

DATE	ALDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	CHLORDANE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDD, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDT, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIAZINON, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIELDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ETHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR, TOTAL IN BOTTOM MATERIAL (UG/KG)
JUN 26...	.0	0	530	320	390	.0	10	.0	.0	.0

DATE	HEPTACHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE TOTAL IN BOTTOM MATERIAL (UG/KG)	MALATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	METHOXYCHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARATHION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRITHION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, TOTAL IN BOTTOM MATERIAL (UG/KG)	PARATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	TOXAPHENE, TOTAL IN BOTTOM MATERIAL (UG/KG)	TRITHION, TOTAL IN BOTTOM MATERIAL (UG/KG)
JUN 26...	.0	.0	.0	.0	.0	.0	.0	.0	0	.0

LAKE BRUIN LIMNOLOGICAL INVESTIGATION--Continued

315818091145200 LAKE BRUIN AT SOUTHWEST END, NEAR ST. JOSEPH, LA

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	SAMPLING DEPTH (FT)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE, WATER (DEG C)	COLOR (PLATINUM COBALT UNITS)	TURBIDITY (JTU)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	C.O.D. TOTAL IN BOTTOM MATERIAL (MG/KG)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)
JUN												
25...	1500	.7	133	7.8	28.5	10	8	8.5	16	25000	2.3	K60
25...	1501	13	141	6.7	26.5	--	--	3.3	--	--	--	--
AUG												
20...	1530	.7	144	8.6	33.0	10	2	9.3	17	40000	.6	<10

DATE	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM ADSORPTION RATIO	POTASSIUM, DISSOLVED (MG/L AS K)	BICARBONATE (MG/L AS HCO3)	CARBONATE (MG/L AS CO3)	ALKALINITY (MG/L AS CACO3)
JUN												
25...	K2	58	0	16	4.4	2.3	7	.1	3.8	75	0	62
25...	--	--	--	--	--	--	--	--	--	--	--	--
AUG												
20...	<10	66	--	18	5.0	2.5	7	.1	3.7	--	--	--

DATE	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)	SOLIDS, VOLATILE IN BOTTOM MATERIAL (MG/KG)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRATE DISSOLVED (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NITRITE DISSOLVED (MG/L AS N)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)
JUN												
25...	1.8	1.9	8	49900	.01	--	.00	--	.01	.02	.06	.00
25...	--	--	--	--	--	.00	--	.00	--	.00	--	.01
AUG												
20...	.8	2.7	0	7000	.00	--	.02	--	.02	.00	.04	.05

DATE	NITROGEN, NH4 TOTAL IN BOT. MAT. (MG/KG AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS NH4)	NITROGEN, AMMONIA DISSOLVED (MG/L AS NH4)	NITROGEN, ORGANIC DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, NH4 + ORG. SUSP. TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N)	NITROGEN, NH4 + ORG. TOT IN BOT MAT (MG/KG AS N)	NITROGEN, DISSOLVED (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, TOTAL (MG/L AS PO4)	PHOSPHORUS, DISSOLVED (MG/L AS P)
JUN												
25...	52	.07	.00	.53	.80	.27	.53	1100	.55	.090	.28	.000
25...	--	--	.01	.76	--	--	--	--	.77	--	--	.010
AUG												
20...	100	.05	.06	.63	.71	.03	.68	1600	.68	.040	.12	.020

DATE	PHOSPHORUS, ORTHOPHOSPHATE DISSOL. (MG/L AS P)	PHOSPHORUS, ORTHOPHOSPHATE DISSOL. (MG/L AS PO4)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC SUSPENDED TOTAL (UG/L AS AS)	ARSENIC DISSOLVED (UG/L AS AS)	ARSENIC TOTAL IN BOTTOM MATERIAL (UG/G AS AS)	BERYLLIUM, TOTAL RECOVERABLE (UG/L AS BE)	BERYLLIUM, DISSOLVED (UG/L AS BE)	BERYLLIUM, RECOV. FM BOTTOM MATERIAL (UG/G)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CADMIUM DISSOLVED (UG/L AS CD)	CADMIUM RECOV. FM BOTTOM MATERIAL (UG/G AS CD)
JUN												
25...	.00	.00	5	1	4	14	0	<1	0	0	<1	1
25...	.00	.00	--	--	4	--	--	0	--	--	0	--
AUG												
20...	.00	.00	6	2	4	13	0	<1	1	0	<1	6

< Actual value is known to be less than the value shown.

K Results based on colony count outside the acceptable range (non-ideal count).

LAKE BRUIN LIMNOLOGICAL INVESTIGATION--Continued

315818091145200 LAKE BRUIN AT SOUTHWEST END, NEAR ST. JOSEPH, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)	CHROMIUM, RECOV. FM BOTTOM MATERIAL (UG/G)	CHROMIUM, HEXAVALENT, DIS. (UG/L AS CR)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	COPPER, SUSPENDED RECOVERABLE (UG/L AS CU)	COPPER, DISSOLVED (UG/L AS CU)	COPPER, RECOV. FM BOTTOM MATERIAL (UG/G AS CU)	IRON, DISSOLVED (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	LEAD, SUSPENDED RECOVERABLE (UG/L AS PB)	LEAD, DISSOLVED (UG/L AS PB)	LEAD, RECOV. FM BOTTOM MATERIAL (UG/G AS PB)
JUN 25...	0	7	0	8	6	2	16	10	12	12	0	10
25...	--	--	0	--	--	3	--	40	--	--	0	--
AUG 20...	0	7	0	7	5	2	19	10	6	6	0	20

DATE	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	MANGANESE, SUSPENDED RECOV. (UG/L AS MN)	MANGANESE, DISSOLVED (UG/L AS MN)	MANGANESE, RECOV. FM BOTTOM MATERIAL (UG/G)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	MERCURY SUSPENDED RECOVERABLE (UG/L AS HG)	MERCURY DISSOLVED (UG/L AS HG)	MERCURY RECOV. FM BOTTOM MATERIAL (UG/G AS HG)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI)	NICKEL, SUSPENDED RECOVERABLE (UG/L AS NI)	NICKEL, DISSOLVED (UG/L AS NI)
JUN 25...	50	46	4	320	.0	.0	.0	.07	6	5	1
25...	--	--	0	--	--	--	.0	--	--	--	3
AUG 20...	30	28	2	320	.2	.1	.1	.90	12	11	1

DATE	NICKEL, RECOV. FM BOTTOM MATERIAL (UG/G AS NI)	SELENIUM, TOTAL (UG/L AS SE)	SELENIUM, SUSPENDED TOTAL (UG/L AS SE)	SELENIUM, DISSOLVED (UG/L AS SE)	SELENIUM, TOTAL IN BOTTOM MATERIAL (UG/G)	VANADIUM, DISSOLVED (UG/L AS V)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)	ZINC, SUSPENDED RECOVERABLE (UG/L AS ZN)	ZINC, DISSOLVED (UG/L AS ZN)	ZINC, RECOV. FM BOTTOM MATERIAL (UG/G AS ZN)
JUN 25...	20	0	0	0	0	1.0	70	70	3	45
25...	--	--	--	0	--	--	--	--	10	--
AUG 20...	20	0	0	0	1	1.0	50	40	10	56

DATE	CARBON, ORGANIC DISSOLVED (MG/L AS C)	CARBON, ORGANIC SUSPENDED (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	CYANIDE TOTAL IN BOTTOM MATERIAL (UG/G AS CN)	PHENOLS (UG/L)	OIL AND GREASE, TOTAL RECOV. GRAVIMETRIC (MG/L)	OIL AND GREASE, TOT. IN BOT MAT GRAVIMETRIC (MG/KG)	PCB, TOTAL (UG/L)	PCB, TOTAL IN BOTTOM MATERIAL (UG/KG)	NAPHTHALENES, POLYCHLOR. TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)
JUN 25...	16	1.0	.00	0	6	0	0	.0	--	.00	.000	--
AUG 20...	4.9	.9	--	0	--	--	0	.0	0	.00	.000	.0

DATE	CHLORDANE, TOTAL (UG/L)	CHLORDANE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDE, TOTAL (UG/L)	DDE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIAZINON, TOTAL (UG/L)	DIAZINON, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIELDRIN TOTAL (UG/L)
JUN 25...	.0	--	.007	--	.000	--	.012	--	.00	--	.002
AUG 20...	.0	7	.000	23	.000	42	.000	2.5	.00	.0	.000

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

LAKE BRUIN LIMNOLOGICAL INVESTIGATION--Continued

315818091145200 LAKE BRUIN AT SOUTHWEST END, NEAR ST. JOSEPH, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	DI-ELDRIN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	ENDO-SULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ENDRIN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	ETHION, TOTAL (UG/L)	ETHION, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	HEPTA-CHLOR, TOTAL (UG/L)	HEPTA-CHLOR, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	HEPTA-CHLOR EPOXIDE TOTAL (UG/L)	HEPTA-CHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE TOTAL (UG/L)
JUN 25...	--	.000	.000	--	.00	--	.000	--	.000	--	.000
AUG 20...	.5	.000	.000	.0	.00	.0	.000	.0	.000	.0	.000

DATE	LINDANE TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	MALA-THION, TOTAL (UG/L)	MALA-THION, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	METH-OXY-CHLOR, TOTAL (UG/L)	METH-OXY-CHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARA-THION, TOTAL (UG/L)	METHYL PARA-THION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRI-THION, TOTAL (UG/L)	METHYL TRI-THION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, TOTAL (UG/L)	PARA-THION, TOTAL (UG/L)
JUN 25...	--	.00	--	.00	--	.00	--	.00	--	.00	.00
AUG 20...	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00	.00

DATE	PARA-THION, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	PER-THANE TOTAL (UG/L)	TOX-APHENE, TOTAL (UG/L)	TOXA-PHENE, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	TOTAL TRI-THION (UG/L)	TRI-THION, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	2,4-D, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)
JUN 25...	--	.00	.0	--	.00	--	.10	.00	.00	24.8	1.48
AUG 20...	.0	.00	.0	0	.00	.0	--	--	--	8.34	.000

DATE	BED MAT. FALL DIAM. % FINER THAN .004 MM	BED MAT. SIEVE DIAM. % FINER THAN .062 MM	BED MAT. SIEVE DIAM. % FINER THAN .125 MM	BED MAT. SIEVE DIAM. % FINER THAN .250 MM	BED MAT. SIEVE DIAM. % FINER THAN .500 MM	BED MAT. SIEVE DIAM. % FINER THAN 1.00 MM
JUN 25...	36	78	98	100	100	100

LAKE BRUIN LIMNOLOGICAL INVESTIGATION--Continued

315748091141100 LAKE BRUIN SOUTHWEST EXTENSION (BRUSHY LAKE), NEAR ST. JOSEPH, LA

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	SAMPLING DEPTH (FT)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE, WATER (DEG C)	COLOR (PLATINUM COBALT UNITS)	TURBIDITY (JTU)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	C.O.D. TOTAL IN BOTTOM MATERIAL (MG/KG)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)
JUN 25...	1435	.7	82	6.7	30.5	50	85	7.5	26	67000	2.7	K60
AUG 20...	1540	.7	91	7.7	35.5	40	60	7.2	39	90000	3.5	<10

DATE	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM ADSORPTION RATIO	POTASSIUM, DISSOLVED (MG/L AS K)	BICARBONATE (MG/L AS HCO3)	CARBONATE (MG/L AS CO3)	ALKALINITY (MG/L AS CACO3)
JUN 25...	K140	33	1	8.9	2.6	1.3	7	.1	4.7	39	0	32
AUG 20...	K50	41	0	11	3.3	1.8	8	.1	5.2	72	0	43

DATE	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)	SOLIDS, VOLATILE IN BOTTOM MATERIAL (MG/KG)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)	NITROGEN, NH4 TOTAL IN BOT. MAT. (MG/KG AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS NH4)
JUN 25...	1.7	1.9	100	141000	2.0	.01	2.0	.31	.21	.05	83	.25
AUG 20...	.7	2.5	83	15000	.00	.01	.01	.02	.03	.00	220	.04

DATE	NITROGEN, AMMONIA DISSOLVED (MG/L AS NH4)	NITROGEN, ORGANIC DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, NH4 + ORG. SUSP. TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N)	NITROGEN, NH4 + ORG. TOT IN BOT MAT (MG/KG AS N)	NITROGEN, DISSOLVED (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, TOTAL (MG/L AS PO4)	PHOSPHORUS, DISSOLVED (MG/L AS P)	PHOSPHORUS, ORTHOPHOSPHATE DISSOL. (MG/L AS P)	PHOSPHORUS, ORTHOPHOSPHATE DISSOL. (MG/L AS PO4)
JUN 25...	.06	1.1	2.0	.90	1.1	3600	1.4	.250	.77	.000	.00	.00
AUG 20...	.00	1.3	2.2	.90	1.3	2600	1.3	.260	.80	.130	.04	.12

DATE	ARSENIC TOTAL (UG/L AS AS)	ARSENIC SUSPENDED TOTAL (UG/L AS AS)	ARSENIC DISSOLVED (UG/L AS AS)	ARSENIC TOTAL IN BOTTOM MATERIAL (UG/G AS AS)	BERYLLIUM, TOTAL RECOVERABLE (UG/L AS BE)	BERYLLIUM, DISSOLVED (UG/L AS BE)	BERYLLIUM, RECOV. FM BOTTOM MATERIAL (UG/G)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CADMIUM DISSOLVED (UG/L AS CD)	CADMIUM RECOV. FM BOTTOM MATERIAL (UG/G AS CD)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)
JUN 25...	20	10	10	20	0	<1	1	0	<1	2	0
AUG 20...	20	8	12	19	0	<1	0	0	<1	7	30

< Actual value is known to be less than the value shown.

K Results based on colony count outside the acceptable range (non-ideal count).

LAKE BRUIN LIMNOLOGICAL INVESTIGATION--Continued

315748091141100 LAKE BRUIN SOUTHWEST EXTENSION (BRUSHY LAKE), NEAR ST. JOSEPH, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	CHROMIUM, RECOV. FM BOTTOM MATERIAL (UG/G)	CHROMIUM, HEXAVALENT, DIS. (UG/L AS CR)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	COPPER, SUSPENDED RECOVERABLE (UG/L AS CU)	COPPER, DISSOLVED (UG/L AS CU)	COPPER, RECOV. FM BOTTOM MATERIAL (UG/G AS CU)	IRON, DISSOLVED (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	LEAD, SUSPENDED RECOVERABLE (UG/L AS PB)	LEAD, DISSOLVED (UG/L AS PB)	LEAD, RECOV. FM BOTTOM MATERIAL (UG/G AS PB)
JUN 25...	12	0	12	7	5	33	80	15	11	4	40
AUG 20...	10	0	7	4	3	29	70	10	10	0	20

DATE	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	MANGANESE, SUSPENDED RECOV. (UG/L AS MN)	MANGANESE, DISSOLVED (UG/L AS MN)	MANGANESE, RECOV. FM BOTTOM MATERIAL (UG/G)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	MERCURY SUSPENDED RECOVERABLE (UG/L AS HG)	MERCURY DISSOLVED (UG/L AS HG)	MERCURY RECOV. FM BOTTOM MATERIAL (UG/G AS HG)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI)	NICKEL, SUSPENDED RECOVERABLE (UG/L AS NI)	NICKEL, DISSOLVED (UG/L AS NI)
JUN 25...	100	98	2	640	.0	.0	.0	.06	9	7	2
AUG 20...	90	88	2	430	.1	.0	.1	.70	10	7	3

DATE	NICKEL, RECOV. FM BOTTOM MATERIAL (UG/G AS NI)	SELENIUM, TOTAL (UG/L AS SE)	SELENIUM, SUSPENDED TOTAL (UG/L AS SE)	SELENIUM, DISSOLVED (UG/L AS SE)	SELENIUM, TOTAL IN BOTTOM MATERIAL (UG/G)	VANADIUM, DISSOLVED (UG/L AS V)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)	ZINC, SUSPENDED RECOVERABLE (UG/L AS ZN)	ZINC, DISSOLVED (UG/L AS ZN)	ZINC, RECOV. FM BOTTOM MATERIAL (UG/G AS ZN)
JUN 25...	20	0	6	0	0	1.0	60	50	6	89
AUG 20...	20	0	0	0	1	2.0	50	50	4	80

DATE	CARBON, ORGANIC DISSOLVED (MG/L AS C)	CARBON, ORGANIC SUSPENDED (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	CYANIDE TOTAL IN BOTTOM MATERIAL (UG/G AS CN)	PHENOLS (UG/L)	OIL AND GREASE, TOTAL RECOV. GRAVIMETRIC (MG/L)	OIL AND GREASE, TOT. IN BOT MAT GRAVIMETRIC (MG/KG)	PCB, TOTAL (UG/L)	PCB, TOTAL IN BOTTOM MATERIAL (UG/KG)	NAPHTHALENES, POLYCHLOR. TOTAL (UG/L)	PCN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ALDRIN, TOTAL (UG/L)
JUN 25...	6.8	1.3	.00	0	2	0	0	.0	0	.00	.0	.000
AUG 20...	7.6	2.6	--	0	--	--	0	.0	0	.00	--	.000

DATE	ALDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	CHLORDANE, TOTAL (UG/L)	CHLORDANE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDE, TOTAL (UG/L)	DDE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIAZINON, TOTAL (UG/L)	DIAZINON, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIELDRIN TOTAL (UG/L)
JUN 25...	.0	.0	0	.049	120	.000	160	.025	2.8	.00	.0	.033
AUG 20...	.0	.0	24	.009	59	.000	64	.000	3.9	.00	.0	.019

LAKE BRUIN LIMNOLOGICAL INVESTIGATION--Continued

315748091141100 LAKE BRUIN SOUTHWEST EXTENSION (BRUSHY LAKE), NEAR ST. JOSEPH, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	DI-ELDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDO-SULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ENDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ETHION, TOTAL (UG/L)	ETHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTA-CHLOR, TOTAL (UG/L)	HEPTA-CHLOR, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTA-CHLOR EPOXIDE TOTAL (UG/L)	HEPTA-CHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOTTOM MATERIAL (UG/KG)
JUN 25...	.2	.000	.000	.0	.00	.0	.000	.0	.000	.0	.000	.0
AUG 20...	.0	.000	.000	.0	.00	.0	.000	.0	.000	.0	.000	.0

DATE	MALA-THION, TOTAL (UG/L)	MALA-THION, TOTAL IN BOTTOM MATERIAL (UG/KG)	METH-OXY-CHLOR, TOTAL (UG/L)	METH-OXY-CHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARA-THION, TOTAL (UG/L)	METHYL PARA-THION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRI-THION, TOTAL (UG/L)	METHYL TRI-THION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, TOTAL (UG/L)	MIREX, TOTAL IN BOTTOM MATERIAL (UG/KG)	PARA-THION, TOTAL (UG/L)
JUN 25...	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
AUG 20...	.00	.0	.00	.0	.13	.0	.00	.0	.00	--	.00

DATE	PARA-THION, TOTAL IN BOTTOM MATERIAL (UG/KG)	PER-THANE TOTAL (UG/L)	TOX-APHENE, TOTAL (UG/L)	TOXA-PHENE, TOTAL IN BOTTOM MATERIAL (UG/KG)	TOTAL TRI-THION (UG/L)	TRI-THION, TOTAL IN BOTTOM MATERIAL (UG/KG)	2,4-D, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)	CHLOR-A PHYTO-PLANKTON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO-PLANKTON CHROMO FLUOROM (UG/L)
JUN 25...	.0	.00	.0	0	.00	.0	.00	.00	.00	78.2	7.82
AUG 20...	.0	.00	.0	0	.00	.0	.00	.00	.00	32.2	6.31

DATE	BED MAT. FALL DIAM. % FINER THAN .004 MM	BED MAT. SIEVE DIAM. % FINER THAN .062 MM	BED MAT. SIEVE DIAM. % FINER THAN .125 MM	BED MAT. SIEVE DIAM. % FINER THAN .250 MM	BED MAT. SIEVE DIAM. % FINER THAN .500 MM	BED MAT. SIEVE DIAM. % FINER THAN 1.00 MM
JUN 25...	48	97	100	100	100	100

LAKE BRUIN LIMNOLOGICAL INVESTIGATION--Continued

315744091134900 LAKE BRUIN AT SOUTHWEST INTERIOR DRAINAGE, NEAR ST. JOSEPH, LA

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	C.O.D. TOTAL IN BOTTOM MATERIAL (MG/KG)	SOLIDS, VOLATILE IN BOTTOM MATERIAL (MG/KG)	NITROGEN,NH4 TOTAL IN BOT. MAT. (MG/KG AS N)	NITROGEN,NH4 + ORG. TOT IN BOT MAT (MG/KG AS N)	ARSENIC TOTAL IN BOTTOM MATERIAL (UG/G AS AS)	BERYLLIUM, RECOV. FM BOTTOM MATERIAL (UG/G)	CADMIUM RECOV. FM BOTTOM MATERIAL (UG/G AS CD)	CHROMIUM, RECOV. FM BOTTOM MATERIAL (UG/G)
JUN 26...	1800	30000	90200	32	960	20	1	1	6

DATE	COPPER, RECOV. FM BOTTOM MATERIAL (UG/G AS CU)	LEAD, RECOV. FM BOTTOM MATERIAL (UG/G AS PB)	MANGANESE, RECOV. FM BOTTOM MATERIAL (UG/G)	MERCURY RECOV. FM BOTTOM MATERIAL (UG/G AS HG)	NICKEL, RECOV. FM BOTTOM MATERIAL (UG/G AS NI)	SELENIUM, TOTAL IN BOTTOM MATERIAL (UG/G)	ZINC, RECOV. FM BOTTOM MATERIAL (UG/G AS ZN)	CYANIDE TOTAL IN BOTTOM MATERIAL (UG/G AS CN)	OIL AND GREASE, TOT. IN BOT MAT GRAVIMETRIC (MG/KG)	PCB, TOTAL IN BOTTOM MATERIAL (UG/KG)
JUN 26...	19	20	0	.04	10	0	58	1	0	0

DATE	ALDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	CHLORDANE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDD, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDT, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIAZINON, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIELDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ETHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR, TOTAL IN BOTTOM MATERIAL (UG/KG)
JUN 26...	.0	0	61	70	24	.0	1.4	.0	.0	.0

DATE	HEPTACHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE TOTAL IN BOTTOM MATERIAL (UG/KG)	MALATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	METHOXYCHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARATHION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRITHION, TOT. IN BOTTOM MATL. (UG/KG)	PARATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	TOXAPHENE, TOTAL IN BOTTOM MATERIAL (UG/KG)	TRITHION, TOTAL IN BOTTOM MATERIAL (UG/KG)
JUN 26...	1.5	.0	.0	.0	.0	.0	.0	0	.0

LAKE BRUIN LIMNOLOGICAL INVESTIGATION--Continued

315725091122400 LAKE BRUIN AT SOUTHEAST END, NEAR ST. JOSEPH, LA

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	SAMPLING DEPTH (FT)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE, WATER (DEG C)	COLOR (PLATINUM COBALT UNITS)	TURBIDITY (JTU)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	C.O.D. TOTAL IN BOTTOM MATERIAL (MG/KG)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)
JUN												
25...	1545	.7	135	7.9	29.0	5	2	7.7	15	54000	1.9	<20
25...	1546	26	136	6.6	22.5	--	--	--	--	--	--	--
AUG												
20...	1510	.7	140	8.4	32.5	20	0	8.9	11	81000	.7	<10

DATE	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM ADSORPTION RATIO	POTASSIUM, DISSOLVED (MG/L AS K)	BICARBONATE (MG/L AS HCO3)	CARBONATE (MG/L AS CO3)	ALKALINITY (MG/L AS CACO3)
JUN												
25...	<20	61	0	17	4.5	2.2	7	.1	3.9	74	0	61
25...	--	--	--	--	--	--	--	--	--	--	--	--
AUG												
20...	<10	--	--	--	--	--	--	--	--	84	0	69

DATE	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)	SOLIDS, VOLATILE IN BOTTOM MATERIAL (MG/KG)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRATE DISSOLVED (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NITRITE DISSOLVED (MG/L AS N)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)
JUN												
25...	1.9	2.2	4	120000	.00	--	.00	--	.00	.00	.05	.00
25...	--	--	--	--	--	.02	--	.00	--	.02	--	.01
AUG												
20...	--	2.3	--	14000	--	--	--	--	--	.17	.04	.05

DATE	NITROGEN, NH4 TOTAL IN BOT. MAT. (MG/KG AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS NH4)	NITROGEN, AMMONIA DISSOLVED (MG/L AS NH4)	NITROGEN, ORGANIC DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, NH4 + ORG. SUSP. TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N)	NITROGEN, NH4 + ORG. TOT IN BOT MAT (MG/KG AS N)	NITROGEN, DISSOLVED (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, TOTAL (MG/L AS PO4)	PHOSPHORUS, DISSOLVED (MG/L AS P)
JUN												
25...	110	.06	.00	.79	.74	--	.79	2800	.79	--	--	.100
25...	--	--	.01	.88	--	--	--	--	.91	--	--	.100
AUG												
20...	340	.05	.06	.43	.86	.38	.48	3900	.65	.050	.15	.020

DATE	PHOSPHORUS, ORTHOPHOSPHATE DISSOL. (MG/L AS P)	PHOSPHORUS, ORTHOPHOSPHATE DISSOL. (MG/L AS PO4)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC SUSPENDED TOTAL (UG/L AS AS)	ARSENIC DISSOLVED (UG/L AS AS)	ARSENIC TOTAL IN BOTTOM MATERIAL (UG/G AS AS)	BERYLLIUM, TOTAL RECOVERABLE (UG/L AS BE)	BERYLLIUM, DISSOLVED (UG/L AS BE)	BERYLLIUM, RECOV. FM BOTTOM MATERIAL (UG/G)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CADMIUM DISSOLVED (UG/L AS CD)	CADMIUM RECOV. FM BOTTOM MATERIAL (UG/G AS CD)
JUN												
25...	.00	.00	4	0	4	18	0	<1	1	0	<1	1
25...	.07	.21	--	--	8	--	--	0	--	--	0	--
AUG												
20...	.00	.00	--	--	--	28	--	--	1	--	--	6

< Actual value is known to be less than the value shown.

LAKE BRUIN LIMNOLOGICAL INVESTIGATION--Continued

315725091122400 LAKE BRUIN AT SOUTHEAST END, NEAR ST. JOSEPH, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR)	CHRO-MIUM, RECOV. FM BOT-TOM MA-TERIAL (UG/G)	CHRO-MIUM, HEXA-VALENT, DIS. (UG/L AS CR)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	COPPER, SUS-PENDED RECOV-ERABLE (UG/L AS CU)	COPPER, DIS-SOLVED (UG/L AS CU)	COPPER, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS CU)	IRON, DIS-SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	LEAD, SUS-PENDED RECOV-ERABLE (UG/L AS PB)	LEAD, DIS-SOLVED (UG/L AS PB)	LEAD, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS PB)
JUN												
25...	10	0	0	10	7	3	9	10	16	13	3	20
25...	--	--	0	--	--	3	--	10	--	--	0	--
AUG												
20...	--	11	--	--	--	--	20	--	--	--	--	30

DATE	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MANGA-NESE, SUS-PENDED RECOV. (UG/L AS MN)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	MANGA-NESE, RECOV. FM BOT-TOM MA-TERIAL (UG/G)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	MERCURY SUS-PENDED RECOV-ERABLE (UG/L AS HG)	MERCURY DIS-SOLVED (UG/L AS HG)	MERCURY RECOV. FM BOT-TOM MA-TERIAL (UG/G AS HG)	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI)	NICKEL, SUS-PENDED RECOV-ERABLE (UG/L AS NI)	NICKEL, DIS-SOLVED (UG/L AS NI)
JUN											
25...	40	10	30	550	.0	.0	.0	.05	8	4	4
25...	--	--	400	--	--	--	.0	--	--	--	4
AUG											
20...	--	--	--	600	--	--	--	.06	--	--	--

DATE	NICKEL, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS NI)	SELE-NIUM, TOTAL (UG/L AS SE)	SELE-NIUM, SUS-PENDED TOTAL (UG/L AS SE)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)	SELE-NIUM, TOTAL IN BOT-TOM MA-TERIAL (UG/G)	VANA-DIUM, DIS-SOLVED (UG/L AS V)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)	ZINC, SUS-PENDED RECOV-ERABLE (UG/L AS ZN)	ZINC, DIS-SOLVED (UG/L AS ZN)	ZINC, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS ZN)
JUN										
25...	10	0	0	0	0	1.0	60	50	9	66
25...	--	--	--	0	--	--	--	--	20	--
AUG										
20...	30	--	--	--	0	--	--	--	--	75

DATE	CARBON, ORGANIC DIS-SOLVED (MG/L AS C)	CARBON, ORGANIC SUS-PENDED (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	CYANIDE TOTAL IN BOT-TOM MA-TERIAL (UG/G AS CN)	PHENOLS (UG/L)	OIL AND GREASE, TOTAL RECOV. GRAVI-METRIC (MG/L)	OIL AND GREASE, TOT. IN BOT MAT GRAVI-METRIC (MG/KG)	PCB, TOTAL (UG/L)	PCB, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	NAPH-THA-LENES, POLY-CHLOR. TOTAL (UG/L)	PCN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	ALDRIN, TOTAL (UG/L)
JUN												
25...	6.0	.7	.00	0	3	1	0	.0	0	.00	.0	.000
AUG												
20...	6.2	1.0	--	0	--	--	0	.0	0	.00	.0	.000

DATE	ALDRIN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	CHLOR-DANE, TOTAL (UG/L)	CHLOR-DANE, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	DDE, TOTAL (UG/L)	DDE, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	DI-AZINON, TOTAL (UG/L)	DI-AZINON, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	DI-ELDRIN TOTAL (UG/L)
JUN												
25...	.0	.0	0	.000	25	.000	67	.007	2.1	.00	.0	.001
AUG												
20...	.0	.0	0	.000	45	.000	53	.000	5.5	.00	.0	.000

LAKE BRUIN LIMNOLOGICAL INVESTIGATION--Continued

315725091122400 LAKE BRUIN AT SOUTHEAST END, NEAR ST. JOSEPH, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	DI-ELDRIN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	ENDO-SULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ENDRIN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	ETHION, TOTAL (UG/L)	ETHION, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	HEPTA-CHLOR, TOTAL (UG/L)	HEPTA-CHLOR, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	HEPTA-CHLOR EPOXIDE TOTAL (UG/L)	HEPTA-CHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOT-TOM MA-TERIAL (UG/KG)
JUN 25...	1.0	.000	.000	.0	.00	.0	.000	.0	.000	.0	.000	.0
AUG 20...	.0	.000	.000	.0	.00	.0	.000	.0	.000	.0	.000	.0

DATE	MALA-THION, TOTAL (UG/L)	MALA-THION, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	METH-OXY-CHLOR, TOTAL (UG/L)	METH-OXY-CHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARA-THION, TOTAL (UG/L)	METHYL PARA-THION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRI-THION, TOTAL (UG/L)	METHYL TRI-THION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, TOTAL (UG/L)	MIREX, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	PARA-THION, TOTAL (UG/L)
JUN 25...	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
AUG 20...	.00	.0	.00	.0	.05	.0	.00	.0	.00	.0	.00

DATE	PARA-THION, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	PER-THANE TOTAL (UG/L)	TOX-APHENE, TOTAL (UG/L)	TOXA-PHENE, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	TOTAL TRI-THION (UG/L)	TRI-THION, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	2,4-D, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)
JUN 25...	.0	.00	.0	0	.00	.0	.09	.00	.00	9.94	.440
AUG 20...	.0	.00	.0	0	.00	.0	.04	.00	.00	7.62	.000

DATE	BED MAT. FALL DIAM. % FINER THAN .004 MM	BED MAT. SIEVE DIAM. % FINER THAN .062 MM	BED MAT. SIEVE DIAM. % FINER THAN .125 MM	BED MAT. SIEVE DIAM. % FINER THAN .250 MM	BED MAT. SIEVE DIAM. % FINER THAN .500 MM	BED MAT. SIEVE DIAM. % FINER THAN 1.00 MM
JUN 25...	5	13	91	99	100	100

DATE OF COLLECTION	TEMPERATURE	DISSOLVED OXYGEN	DATE OF COLLECTION	TEMPERATURE	DISSOLVED OXYGEN
RED RIVER BASIN					
07344400 RED RIVER NEAR HOSSTON, LA					
JULY 24, 1980.....	32.0	10.7	AUG. 15........	30.0	---
07344450 PAW PAW BAYOU NEAR GREENWOOD, LA					
NOV. 19, 1979.....	14.0	6.6	MAR. 28........	12.0	---
DEC. 20...........	7.5	9.4	MAY 14........	19.2	6.5
JAN. 8, 1980.....	7.5	---	MAY 21........	20.0	7.7
FEB. 20...........	10.0	---	JUNE 27........	24.2	5.2
07348000 TWELVEMILE BAYOU NEAR DIXIE, LA					
DEC. 5, 1979.....	10.0	11.0	MAY 14........	22.0	9.2
JAN. 8, 1980.....	7.0	---	JUNE 25........	29.0	8.6
FEB. 19...........	14.5	---	JULY 29........	27.0	6.7
MAR. 11...........	9.5	---	SEPT. 10........	31.5	5.2
07348700 BAYOU DORCHEAT NEAR SPRINGHILL, LA					
NOV. 2, 1979.....	15.0	---	APR. 15........	11.5	---
DEC. 27...........	11.0	---	MAY 13........	19.5	6.1
FEB. 15, 1980.....	7.6	11.6	JUNE 23........	23.0	5.1
APR. 8...........	20.0	---	JULY 28........	28.5	5.0
07349374 FLAT RIVER NEAR CURTIS, LA					
FEB. 28, 1980.....	12.0	---	APR. 15........	14.0	8.5
MAR. 19...........	14.0	6.8	MAY 22........	19.9	5.6
MAR. 24...........	16.5	---	JUNE 26........	29.5	8.5
MAR. 28...........	12.0	---	JULY 21........	27.0	7.4
APR. 12...........	19.0	5.4	SEPT. 11........	26.0	8.0
07349500 BODCAU BAYOU NEAR SAREPTA, LA					
NOV. 6, 1979.....	15.0	---	JUNE 24........	23.2	5.5
JAN. 7, 1980.....	7.0	---	JULY 28........	26.0	4.9
FEB. 15...........	10.0	11.4	AUG. 29........	25.0	7.3
MAY 13...........	19.5	6.5			
07349795 CYPRESS BAYOU ABOVE BENTON, LA					
NOV. 5, 1979.....	15.5	---	APR. 17........	15.5	---
JAN. 7, 1980.....	7.5	---	MAY 21........	22.0	6.4
FEB. 19...........	14.0	---	JUNE 24........	24.0	5.6
APR. 15...	12.0	---			
07351000 BOGGY BAYOU NEAR KEITHVILLE, LA					
NOV. 19, 1979.....	14.5	---	MAY 22........	19.5	5.7
JAN. 14, 1980.....	9.0	---	JUNE 25........	26.0	4.4
FEB. 20...........	10.0	---	JULY 29........	26.0	5.0
APR. 9...........	16.5	---	SEPT. 15........	26.0	6.3
07351600 BAYOU PIERRE NEAR GRAND BAYOU, LA					
NOV. 13, 1979.....	12.0	---	APR. 10........	18.0	---
JAN. 24, 1980.....	11.0	7.5	APR. 15........	17.0	---
FEB. 13...........	6.0	---	APR. 21........	18.0	---
MAR. 25...........	16.0	---	JUNE 26........	30.5	5.4
MAR. 26...........	15.0	---			
07351749 CHENARD LAKE NEAR EVELYN, LA					
NOV. 8, 1979.....	11.0	---	APR. 22........	18.5	---
DEC. 20...........	8.5	9.4	JUNE 2........	25.0	4.5
JAN. 23, 1980.....	12.0	---	JULY 16........	33.5	3.5
MAR. 3...........	11.0	---	AUG. 18........	33.5	---
07352000 SALINE BAYOU NEAR LUCKY, LA					
OCT. 4, 1979.....	18.0	---	APR. 14........	17.5	---
JAN. 7, 1980.....	9.5	---	MAY 13........	21.0	6.1
FEB. 21...........	14.0	8.7	JUNE 23........	25.0	4.8
MAR. 28...........	17.5	---	JUNE 30........	29.5	---
MAR. 31...........	13.0	---	JULY 31........	26.0	---
APR. 1...........	14.5	---	SEPT. 3........	23.5	8.4

DATE OF COLLECTION	TEMPERATURE	DISSOLVED OXYGEN	DATE OF COLLECTION	TEMPERATURE	DISSOLVED OXYGEN
RED RIVER BASIN--Continued					
07352800 GRAND BAYOU NEAR COUSHATTA, LA					
OCT. 30, 1979.....	20.0	---	APR. 15........	15.0	---
DEC. 18...........	5.0	9.8	MAY 15........	20.0	5.1
JAN. 10, 1980.....	8.5	---	JUNE 27........	28.0	---
MAR. 3...........	5.0	---	JULY 21........	30.0	---
MAR. 22...........	14.0	---	SEPT. 4........	28.0	5.2
MAR. 25...........	12.0	---	SEPT. 30........	23.0	5.3
APR. 12...........	17.0	---			
07364100 OUACHITA RIVER NEAR ARKANSAS-LOUISIANA STATE LINE					
JULY 17, 1980.....	35.0	---	AUG. 22........	32.5	---
07364200 BAYOU BARTHOLOMEW NEAR JONES, LA					
NOV. 8, 1979.....	14.5	---	APR. 22........	18.0	9.4
JAN. 17, 1980.....	13.0	9.5	MAY 6........	20.0	6.1
FEB. 19...........	7.0	9.3	JULY 2........	31.5	4.2
APR. 7...........	17.0	7.6	AUG. 4........	32.0	---
APR. 10...........	19.0	6.7	SEPT. 4........	29.0	5.7
07364890 BAYOU D'ARBONNE NEAR HICO, LA					
MAR. 6, 1980.....	7.0	---	APR. 15........	12.0	11.8
MAR. 13...........	5.5	---	MAY 12........	23.0	8.9
MAR. 21...........	13.0	---	JUNE 25........	26.5	8.2
MAR. 24...........	13.0	9.8	JULY 10........	32.0	4.3
APR. 2...........	15.5	---	JULY 21........	26.8	5.2
APR. 14...........	13.0	9.9	AUG. 27........	25.0	8.1
07366200 LITTLE CORNEY BAYOU NEAR LILLIE, LA					
OCT. 4, 1979.....	20.0	---	MAR. 21........	15.0	---
NOV. 16...........	8.0	14.2	MAR. 28........	14.0	9.2
NOV. 20...........	12.5	8.6	MAY 9........	19.0	---
JAN. 10, 1980.....	8.0	---	JUNE 25........	25.0	6.1
FEB. 22...........	14.0	---	JULY 21........	28.0	---
MAR. 18...........	13.0	---	AUG. 21........	32.0	---
07367650 OUACHITA RIVER AT COLUMBIA LOCK AND DAM NEAR RIVERTON, LA					
APR. 9, 1980.....	18.0	7.7			
07368000 BOEUF RIVER NEAR GIRARD, LA					
OCT. 18, 1979.....	18.0	---	MAY 13........	23.0	4.3
NOV. 7...........	14.0	---	JULY 8........	29.5	7.1
DEC. 27...........	10.2	8.2	JULY 29........	25.0	4.4
FEB. 14, 1980.....	5.0	---	AUG. 26........	29.5	---
APR. 8...........	16.0	7.5			
07369000 BAYOU LAFOURCHE NEAR CREW LAKE, LA					
NOV. 7, 1979.....	15.5	---	APR. 21........	19.2	8.5
JAN. 15, 1980.....	11.0	10.6	MAY 13........	23.5	6.3
JAN. 18...........	12.0	10.6	JUNE 3........	27.5	6.6
FEB. 15...........	12.5	---	JUNE 11........	26.0	6.9
MAR. 26...........	14.5	8.6	JUNE 30........	29.0	7.8
MAR. 27...........	14.0	8.2	JULY 31........	28.0	7.8
APR. 3...........	17.0	7.4	AUG. 26........	28.0	---
07369500 TENSAS RIVER AT TENDAL, LA					
OCT. 2, 1979.....	23.0	---	MAR. 18........	15.0	8.2
NOV. 6...........	15.5	5.2	MAY 12........	24.0	6.6
JAN. 15, 1980.....	9.5	8.4	JUNE 24........	27.0	6.0
FEB. 14...........	7.5	---	JULY 29........	31.0	4.8
FEB. 20...........	9.0	9.6	AUG. 28........	27.0	---
07369700 BAYOU MACON NEAR KILBOURNE, LA					
OCT. 26, 1979.....	17.5	---	AUG. 4........	32.0	---
JULY 15, 1980.....	39.0	---	SEPT. 3........	29.0	6.4
07370000 BAYOU MACON NEAR DELHI, LA					
NOV. 7, 1979.....	16.0	---	MAY 13........	23.5	6.9
DEC. 27...........	11.2	9.8	JUNE 27........	30.0	4.9
FEB. 20, 1980.....	8.7	10.0	AUG. 1........	32.0	12.2
MAR. 25...........	14.5	8.3	AUG. 25........	30.0	7.6

3

RED RIVER BASIN--Continued

07371500 DUGDEMONA RIVER NEAR JONESBORO, LA

DATE OF COLLECTION	TEMPERATURE	DISSOLVED OXYGEN	DATE OF COLLECTION	TEMPERATURE	DISSOLVED OXYGEN
OCT. 3, 1979.....	20.0	---	MAY 13........	22.0	5.5
NOV. 8...........	16.0	---	JUNE 23........	24.0	4.9
JAN. 7, 1980.....	9.5	---	JUNE 30........	30.0	---
FEB. 21...........	14.0	6.6	JULY 28........	28.0	2.6
MAR. 31...........	12.5	---	SEPT. 2........	27.0	1.8

07371540 FOUSE BAYOU AT STATE HIGHWAY 155, NEAR DANVILLE, LA

DATE OF COLLECTION	TEMPERATURE	DISSOLVED OXYGEN	DATE OF COLLECTION	TEMPERATURE	DISSOLVED OXYGEN
OCT. 31, 1979.....	17.0	---	MAY 13........	26.0	3.5
DEC. 3...........	9.0	---	JUNE 23........	24.0	5.0
JAN. 3, 1980.....	9.5	---	JULY 28........	24.0	---
FEB. 21...........	16.0	---	SEPT. 3........	36.0	---
MAR. 28...........	12.5	---			

07372200 LITTLE RIVER NEAR ROCHELLE, LA

DATE OF COLLECTION	TEMPERATURE	DISSOLVED OXYGEN	DATE OF COLLECTION	TEMPERATURE	DISSOLVED OXYGEN
NOV. 8, 1979.....	11.0	---	APR. 22........	18.5	---
DEC. 20...........	8.5	9.4	JUNE 2........	25.0	4.5
JAN. 23, 1980.....	12.0	---	JULY 16........	33.5	3.5
MAR. 3...........	11.0	---	AUG. 18........	33.5	---

07373000 BIG CREEK AT POLLOCK, LA

DATE OF COLLECTION	TEMPERATURE	DISSOLVED OXYGEN	DATE OF COLLECTION	TEMPERATURE	DISSOLVED OXYGEN
OCT. 30, 1979.....	17.0	8.5	APR. 22........	16.5	---
DEC. 13...........	15.0	7.4	JUNE 2........	22.0	5.9
JAN. 24, 1980.....	10.5	11.2	JULY 21........	26.5	8.3
MAR. 3...........	15.5	--	AUG. 18........	25.0	---

MISSISSIPPI RIVER DELTA

07381800 SPRING CREEK NEAR GLENMORA, LA

DATE OF COLLECTION	TEMPERATURE	DISSOLVED OXYGEN	DATE OF COLLECTION	TEMPERATURE	DISSOLVED OXYGEN
NOV. 2, 1979.....	15.5	10.2	MAY 20........	20.5	---
DEC. 13...........	16.0	7.6	JULY 11........	26.5	7.3
JAN. 21, 1980.....	16.5	---	AUG. 25........	23.0	---
MAR. 5...........	14.5	---	SEPT. 25........	21.5	7.0
Apr. 23...........	18.0				

07382000 BAYOU COCODRIE NEAR CLEARWATER, LA

DATE OF COLLECTION	TEMPERATURE	DISSOLVED OXYGEN	DATE OF COLLECTION	TEMPERATURE	DISSOLVED OXYGEN
NOV. 16, 1979.....	20.0	3.3	APR. 21........	17.0	3.7
DEC. 17...........	11.0	4.4	JULY 14........	29.5	2.1
JAN. 21, 1980.....	13.5	3.7	AUG. 25........	29.0	---
MAR. 4...........	9.0	6.6	SEPT. 25........	28.0	5.9

07382500 BAYOU COURTABLEAU AT WASHINGTON, LA

DATE OF COLLECTION	TEMPERATURE	DISSOLVED OXYGEN	DATE OF COLLECTION	TEMPERATURE	DISSOLVED OXYGEN
NOV. 2, 1979.....	18.5	7.6	APR. 29........	18.5	---
DEC. 4...........	9.5	7.2	JUNE 2........	25.0	5.4
JAN. 10, 1980.....	9.0	---	JULY 10........	31.0	4.8
FEB. 28...........	14.5	---	AUG. 11........	29.0	6.3
MAR. 21...........	17.0	7.2	SEPT. 22........	28.0	6.5
MAR. 30...........	17.0	---			

07383500 BAYOU DES GLAISES DIVERSION CHANNEL AT MOREAUVILLE, LA

DATE OF COLLECTION	TEMPERATURE	DISSOLVED OXYGEN	DATE OF COLLECTION	TEMPERATURE	DISSOLVED OXYGEN
OCT. 30, 1979.....	22.5	5.8	MAY 27........	25.0	---
DEC. 17...........	11.0	5.8	JUNE 6........	28.0	4.0
JAN. 21, 1980.....	7.0	5.7	JULY 14........	30.0	6.2
MAR. 4...........	8.0	9.9	AUG. 25........	28.5	---
APR. 18...........	16.5	4.4	SEPT. 25........	27.5	4.7

07385500 BAYOU TECHE AT ARNAUDVILLE, LA

DATE OF COLLECTION	TEMPERATURE	DISSOLVED OXYGEN	DATE OF COLLECTION	TEMPERATURE	DISSOLVED OXYGEN
NOV. 5, 1979.....	18.5	---	JUNE 2........	26.0	5.2
DEC. 4...........	9.0	7.6	JULY 9........	30.5	4.6
JAN. 10, 1980.....	9.0	8.6	JULY 11........	31.0	4.8
FEB. 28...........	14.5	---	AUG. 11........	28.5	6.1
MAR. 21...........	17.0	---	SEPT. 22........	27.5	5.3
APR. 29...........	18.0	---	SEPT. 30........	26.5	5.6

MERMENTAU RIVER BASIN

08010000 BAYOU DES CANNES NEAR EUNICE, LA

DATE OF COLLECTION	TEMPERATURE	DISSOLVED OXYGEN	DATE OF COLLECTION	TEMPERATURE	DISSOLVED OXYGEN
NOV. 8, 1979.....	14.5	3.5	APR. 30........	20.5	---
DEC. 5...........	9.5	3.8	JUNE 3........	31.0	4.2
JAN. 14, 1980.....	10.0	---	JUNE 5........	28.0	5.0
FEB. 29...........	17.0	---	JULY 11........	31.0	3.8
MAR. 25...........	17.5	---	AUG. 12........	30.0	6.2
MAR. 28...........	17.0	---	SEPT. 23........	27.5	2.2

TEMPERATURES (°C) AND DISSOLVED OXYGEN (DO), IN MILLIGRAMS PER LITER, OF STREAMS IN LOUISIANA DURING 1980 WATER YEAR

MERMENTAU RIVER BASIN--Continued

08012000 BAYOU NEZPIQUE NEAR BASILE, LA

DATE OF COLLECTION	TEMPERATURE	DISSOLVED OXYGEN	DATE OF COLLECTION	TEMPERATURE	DISSOLVED OXYGEN
NOV. 7, 1979.....	14.5	---	JUNE 3........	26.5	---
DEC. 5...........	9.5	---	JUNE 5........	26.5	4.2
JAN. 14, 1980.....	12.5	---	JULY 11........	29.0	6.5
FEB. 29...........	15.0	---	AUG. 12........	28.5	---
MAR. 25...........	17.5	5.7	SEPT. 23........	28.0	3.1
APR. 30...........	19.0	---			

CALCASIEU RIVER BASIN

08013000 CALCASIEU RIVER NEAR GLENMORA, LA

DATE OF COLLECTION	TEMPERATURE	DISSOLVED OXYGEN	DATE OF COLLECTION	TEMPERATURE	DISSOLVED OXYGEN
NOV. 2, 1979.....	16.0	7.6	MAY 30........	24.0	5.2
DEC. 21...........	7.0	9.7	JULY 11........	27.5	6.4
JAN. 21, 1980.....	15.0	---	AUG. 25........	27.5	---
MAR. 5...........	16.5	---	SEPT. 23........	26.5	6.8
APR. 21...........	17.0	8.8			

08013500 CALCASIEU RIVER NEAR OBERLIN, LA

DATE OF COLLECTION	TEMPERATURE	DISSOLVED OXYGEN	DATE OF COLLECTION	TEMPERATURE	DISSOLVED OXYGEN
OCT. 29, 1979.....	18.0	8.5	MAY 27........	23.5	7.2
JAN. 28, 1980.....	8.5	8.6	JULY 7........	29.5	6.2
MAR. 10...........	17.5	9.0	AUG. 28........	27.0	8.5
APR. 25...........	18.5	8.9	SEPT. 17........	27.5	7.1

08014500 WHISKY CHITTO CREEK NEAR OBERLIN, LA

DATE OF COLLECTION	TEMPERATURE	DISSOLVED OXYGEN	DATE OF COLLECTION	TEMPERATURE	DISSOLVED OXYGEN
NOV. 6, 1979.....	11.5	---	MAY 27........	24.0	7.8
JAN. 28, 1980.....	12.0	10.5	JULY 7........	27.0	7.7
MAR. 10...........	19.5	8.6	AUG. 28........	26.5	8.8
APR. 24...........	19.0	8.5	SEPT. 17........	24.5	8.3

08015500 CALCASIEU RIVER NEAR KINDER, LA

DATE OF COLLECTION	TEMPERATURE	DISSOLVED OXYGEN	DATE OF COLLECTION	TEMPERATURE	DISSOLVED OXYGEN
NOV. 6, 1979.....	15.5	---	MAY 6........	18.0	---
DEC. 10...........	8.0	---	JUNE 6........	26.5	---
JAN. 21, 1980.....	10.5	---	JULY 11........	29.0	---
MAR. 3...........	10.5	---	AUG. 12........	28.0	---
MAR. 31...........	17.5	---	SEPT. 24........	26.5	---

08016400 BECKWITH CREEK NEAR DE QUINCY, LA

DATE OF COLLECTION	TEMPERATURE	DISSOLVED OXYGEN	DATE OF COLLECTION	TEMPERATURE	DISSOLVED OXYGEN
NOV. 2, 1979.....	16.0	---	MAY 20........	19.5	---
DEC. 6...........	8.5	---	JUNE 5........	24.5	---
FEB. 5, 1980.....	11.0	---	JULY 10........	29.5	---
MAR. 6...........	12.0	---	AUG. 11........	28.5	---
MAY 5...........	19.5	---	SEPT. 23........	27.5	---
MAY 17...........	19.0	---			

SABINE RIVER BASIN

08022765 BAYOU CASTOR NEAR FUNSTON, LA

DATE OF COLLECTION	TEMPERATURE	DISSOLVED OXYGEN	DATE OF COLLECTION	TEMPERATURE	DISSOLVED OXYGEN
NOV. 6, 1979.....	11.0	6.9	APR. 12........	18.0	---
DEC. 19...........	3.5	12.0	APR. 23........	17.0	8.2
FEB. 6, 1980.....	6.0	---	MAY 28........	21.5	6.7
MAR. 11...........	14.0	9.1	JULY 9........	25.0	---

08023400 BAYOU SAN PATRICIO NEAR BENSON, LA

DATE OF COLLECTION	TEMPERATURE	DISSOLVED OXYGEN	DATE OF COLLECTION	TEMPERATURE	DISSOLVED OXYGEN
NOV. 6, 1979.....	13.0	7.8	MAR. 11........	15.0	9.6
DEC. 19...........	5.5	10.6	APR. 15........	15.0	---
FEB. 1, 1980.....	8.5	---	MAY 27........	23.5	6.3

08025500 BAYOU TORO NEAR TORO, LA

DATE OF COLLECTION	TEMPERATURE	DISSOLVED OXYGEN	DATE OF COLLECTION	TEMPERATURE	DISSOLVED OXYGEN
NOV. 5, 1979.....	10.5	---	APR. 23........	17.5	8.0
DEC. 19...........	7.0	11.2	MAY 29........	22.5	7.5
JAN. 30, 1980.....	9.0	10.8	JULY 9........	24.0	5.3
MAR. 12...........	17.0	9.3	AUG. 28........	26.5	5.2
APR. 14...........	16.5	---	SEPT. 22........	26.0	6.2

08028000 BAYOU ANACOCO NEAR ROSEPINE, LA

DATE OF COLLECTION	TEMPERATURE	DISSOLVED OXYGEN	DATE OF COLLECTION	TEMPERATURE	DISSOLVED OXYGEN
NOV. 6, 1979.....	11.0	---	MAY 17........	21.0	7.7
DEC. 28...........	11.0	10.8	MAY 28........	26.5	6.8
JAN. 29, 1980.....	10.0	11.8	JULY 8........	27.5	6.8
MAR. 11...........	17.0	9.2	AUG. 29........	27.0	7.4
APR. 14...........	16.5	---	SEPT. 22........	27.5	7.0
APR. 24...........	19.0	8.6			

TEMPERATURES (°C) AND DISSOLVED OXYGEN (DO), IN MILLIGRAMS PER LITER, OF STREAMS IN LOUISIANA DURING 1980 WATER YEAR

SABINE RIVER BASIN--Continued

08028700 HOOSIER CREEK NEAR MERRYVILLE, LA

DATE OF COLLECTION	TEMPERATURE	DISSOLVED OXYGEN	DATE OF COLLECTION	TEMPERATURE	DISSOLVED OXYGEN
NOV. 5, 1979.....	11.5	---	MAY 28........	21.0	---
JAN. 29, 1980.....	11.0	9.5	JULY 8........	23.0	6.8
MAR. 11...........	18.5	9.2	AUG. 29........	20.5	7.0
APR. 24...........	17.5	7.7	SEPT. 22........	25.5	6.6
MAY 16...........	20.0	---			

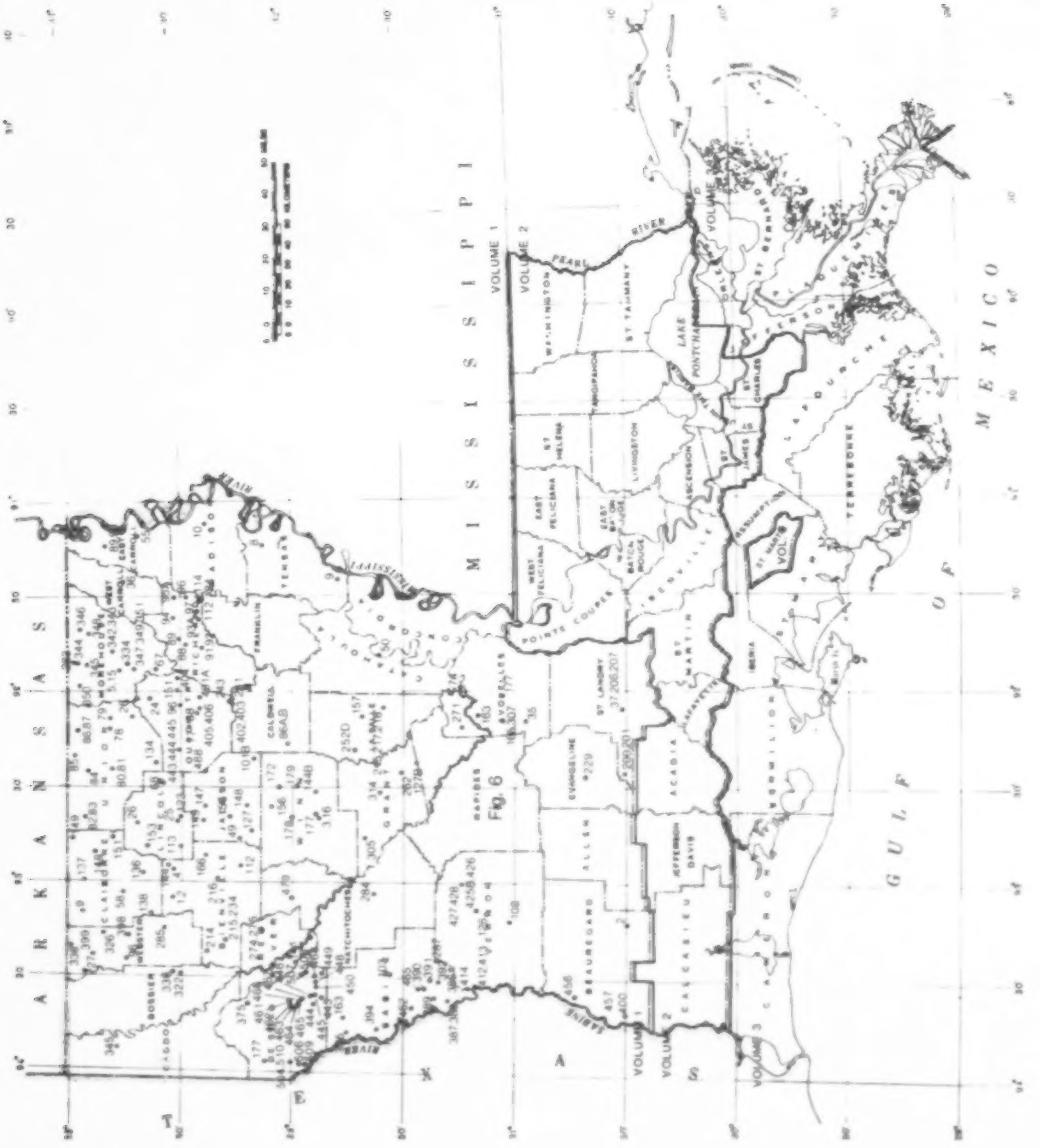
ARKANSAS
MISSISSIPPI
TEXAS
GULF OF MEXICO
VOLUME 1
VOLUME 2
VOLUME 3
Fig. 6
PEARL RIVER
SABINE RIVER
MISSISSIPPI RIVER
LAKE PONTCHARTRAIN
CADDO
BOSSIER
WEBSTER
CLAIBORNE
UNION
MOREHOUSE
WEST CARROLL
EAST CARROLL
OUACHITA
RICHLAND
MADISON
LINCOLN
JACKSON
CALDWELL
FRANKLIN
TENSAS
BIENVILLE
DE SOTO
RED RIVER
NATCHITOCHES
SABINE
WINN
GRANT
LA SALLE
CATAHOULA
CONCORDIA
RAPIDES
AVOYELLES
VERNON
BEAUREGARD
ALLEN
EVANGELINE
ST LANDRY
POINTE COUPEE
WEST FELICIANA
EAST FELICIANA
ST HELENA
TANGIPAHOA
WASHINGTON
ST TAMMANY
LIVINGSTON
EAST BATON ROUGE
WEST BATON ROUGE
IBERVILLE
ASCENSION
ST JAMES
ST JOHN
ST CHARLES
ST BERNARD
PLAQUEMINES
JEFFERSON
LAFOURCHE
TERREBONNE
ASSUMPTION
ST MARTIN
IBERIA
ST MARY
LAFAYETTE
VERMILION
ACADIA
JEFFERSON DAVIS
CALCASIEU
CAMERON

Figure 5.—Location of observation wells.

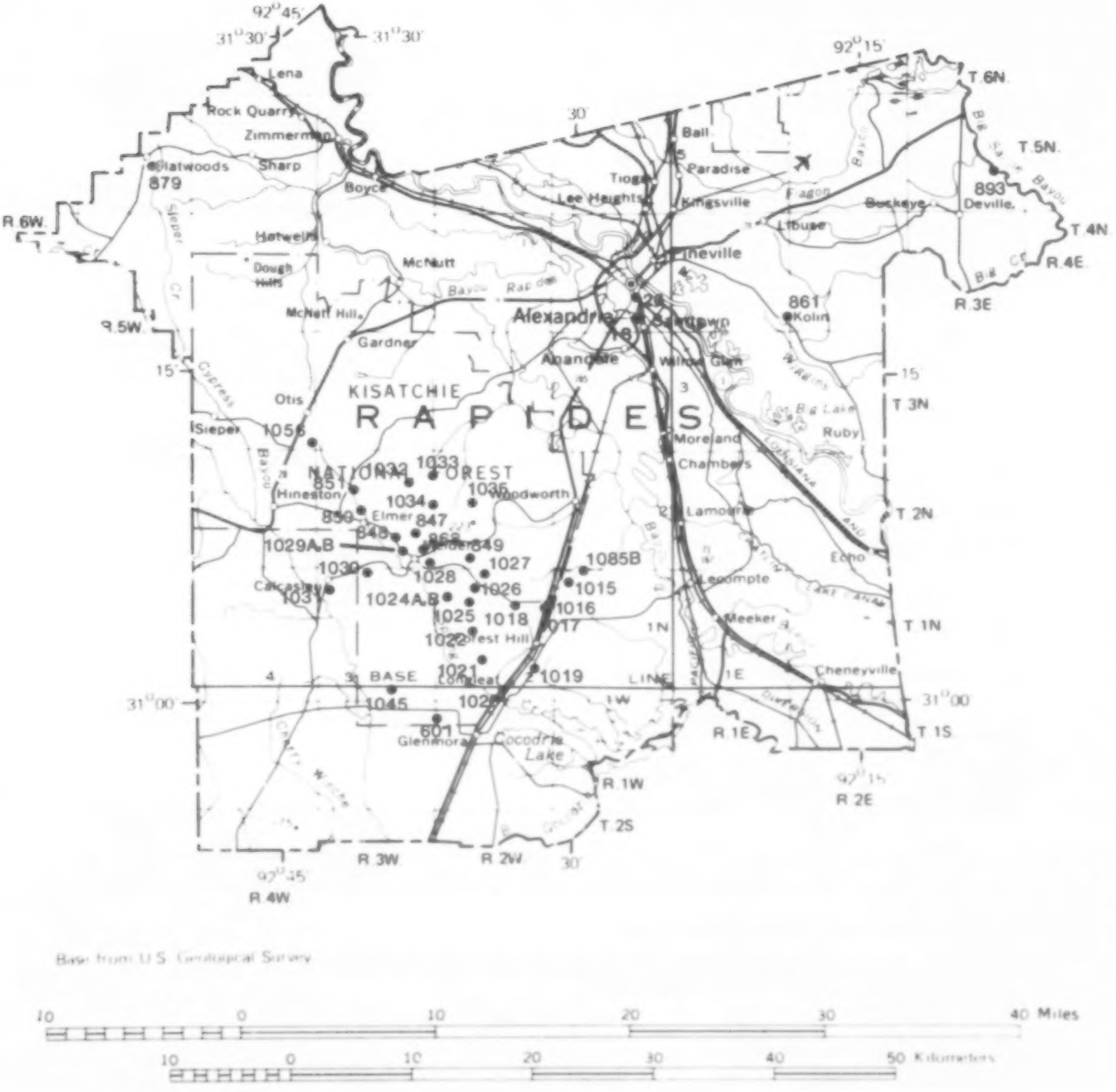
92°45'
31°30'
31°30'
92°15'
30'
T.6N.
T.5N.
T.4N.
R.4E.
R.3E
T.3N
T.2N
T.1N
T.1S
T.2S
R.6W.
R.5W.
R.4W
R.3W
R.2W
R.1W
R.1E
R.2E
15'
31°00'
31°00'
97°45'
97°15'
Lena
Rock Quarry
Zimmerman
Sharp
Flatwoods
879
Boyce
Hotwells
Dough Hills
McNutt
McNeil Hill
Gardner
Otis
Sieper
1056
KISATCHIE
RAPIDES
NATIONAL FOREST
Hineston
Elmer
851
850
848
1029A,B
1030
1031
Calcasieu
1032
1033
1034
1035
847
863
849
1027
1028
1026
1024A,B
1025
1018
1016
1017
1022
1021
1020
1019
1015
1085B
Woodworth
Forest Hill
Longleaf
BASE
LINE
1045
601
Glenmora
Cocodrie Lake
Ball
Paradise
Tioga
Lee Heights
Kingsville
Pineville
Alexandria
Sampson
Libuse
Buckeye
893
Deville
861
Kolin
Aranque
Wilson Glen
Ruby
Big Lake
Moreland
Chambers
Lamourie
Echo
Lecompte
Meeker
Cheneyville
Bayou Rapides
Big Creek
Cypress
Bayou
Louisiana
Base from U.S. Geological Survey
10 0 10 20 30 40 Miles
10 0 10 20 30 40 50 Kilometers

Figure 6.--Location of observation wells, Rapides Parish.

305700092102301 LOCAL WELL NUMBER: AV-35

OWNER: INTERSTATE PIPE LINE CO. (SEC. 21, T. 1S., R. 3E.) DRILLED UNUSED ARTESIAN WELL IN THE BLOUNTS CREEK MEMBER OF THE FLEMING FM. OF PLIOCENE-MIOCENE AGE. DIAM 8 IN. DEPTH 716 FT. SCREENED 666-716. MP TOP OF CASING, 1.00 FT ABOVE LSD.
LSD 64.00 FT NGVD.
HIGHEST WATER LEVEL 19.48 BELOW LSD, JUNE 18, 1962.
LOWEST WATER LEVEL 33.94 BELOW LSD, DEC. 17, 1979.
RECORDS AVAILABLE 1954-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 17, 1979	33.94	MAR. 4, 1980	30.54	MAY 28, 1980	31.68	SEP. 8, 1980	31.35

311006092081501 LOCAL WELL NUMBER: AV-163

OWNER: U. S. GEOL. SURVEY. (SEC. 11, T. 2N., R. 3E.) DRILLED OBSERVATION ARTESIAN WELL IN THE WILLIAMSON CREEK MEMBER OF FLEMING FM. OF MIOCENE AGE. DIAM 1 1/4 IN. DEPTH 300 FT. SCREENED 295-300 . MP TOP OF CASING, 1.50 FT ABOVE LSD.
LSD 78.00 FT NGVD.
HIGHEST WATER LEVEL 23.65 BELOW LSD, APR. 15, 1975.
LOWEST WATER LEVEL 39.72 BELOW LSD, OCT. 13, 1972.
RECORDS AVAILABLE 1966-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 17, 1979	36.06	MAR. 4, 1980	36.34	MAY 27, 1980	31.55	SEP. 8, 1980	37.18

310339092101501 LOCAL WELL NUMBER: AV-166

OWNER: FIFTH WARD WATER DISTRICT. (SEC. 16, T. 1N., R. 3E.) DRILLED PUBLIC-SUPPLY ARTESIAN WELL IN SAND OF MIOCENE AGE. DIAM 10 IN. DEPTH 370 FT. SCREENED 320-370. MP TOP OF BREATHER PIPE, 2.00 FT ABOVE LSD.
LSD 70.00 FT NGVD.
HIGHEST WATER LEVEL 36.34 BELOW LSD, MAY 12, 1966.
LOWEST WATER LEVEL 89.75 BELOW LSD, SEP. 8, 1980.
RECORDS AVAILABLE 1966-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 17, 1979	47.49	MAR. 4, 1980	51.33	MAY 28, 1980	86.90A	SEP. 8, 1980	89.75A

310453092022902 LOCAL WELL NUMBER: AV-177

OWNER: U. S. GEOL. SURVEY. (IRREG. SEC. 47, T. 1N., R. 4E.) DRILLED OBSERVATION ARTESIAN WELL IN THE BLOUNTS CREEK MEMBER OF THE FLEMING FM. OF PLIOCENE-MIOCENE AGE. DIAM 1 1/4 IN. DEPTH 360 FT. SCREENED 350-360. MP TOP OF CASING, 4.00 FT ABOVE LSD.
LSD 80.00 FT NGVD.
HIGHEST WATER LEVEL 34.30 BELOW LSD, APR. 15, 1975.
LOWEST WATER LEVEL 39.73 BELOW LSD, OCT. 13, 1972.
RECORDS AVAILABLE 1966-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 17, 1979	38.28	MAR. 4, 1980	37.53	MAY 27, 1980	36.98	SEP. 8, 1980	38.98

311336092095901 LOCAL WELL NUMBER: AV-271

OWNER: U. S. GEOL. SURVEY. (SEC. 38, T. 3N., R. 3E.) DRILLED OBSERVATION ARTESIAN WELL IN THE WILLIAMSON CREEK MEMBER OF THE FLEMING FM. OF MIOCENE AGE. DIAM 2 IN. DEPTH 370 FT. SCREENED 365-370. MP TOP OF CASING, 3.40 FT ABOVE LSD.
LSD 95.00 FT NGVD.
HIGHEST WATER LEVEL 55.05 BELOW LSD, JULY 18, 1973, JUNE 30, 1975.
LOWEST WATER LEVEL 64.60 BELOW LSD, SEP. 10, 1980.
RECORDS AVAILABLE 1966-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 27, 1979	64.34	MAR. 4, 1980	64.43	JUNE 2, 1980	62.37	SEP. 10, 1980	64.60

See footnotes at end of table.

AVOYELLES PARISH

310321092103901 LOCAL WELL NUMBER: AV-307

OWNER: FIFTH WARD WATER DISTRICT. (SEC. 16, T. 1N., R. 3E.) DRILLED UNUSED ARTESIAN WELL IN SAND OF MIOCENE AGE. DIAM 10 IN. DEPTH 409 FT. SCREENED 359-409. MP TOP OF STEEL PLATE, 1.00 FT ABOVE LSD.
LSD 70.00 FT NGVD.
HIGHEST WATER LEVEL 35.91 BELOW LSD, JUNE 20, 1966.
LOWEST WATER LEVEL 71.50 BELOW LSD, SEP. 8, 1980.
RECORDS AVAILABLE 1966-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 17, 1979	52.91	MAR. 4, 1980	52.58	MAY 28, 1980	64.61C	SEP. 8, 1980	71.50C

BEAUREGARD PARISH

303030093120501 LOCAL WELL NUMBER: BE-2

OWNER: SOUTHERN PACIFIC RR. (SEC. 29, T. 6S., R. 8W.) DRILLED UNUSED ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE. DIAM 6 IN. REPORTED DEPTH 276 FT. SCREENED INTERVAL UNKNOWN. MP TOP OF 2-IN NIPPLE, 0.48 FT ABOVE LSD.
LSD 83.83 FT NGVD.
HIGHEST WATER LEVEL 41.54 BELOW LSD, APR. 27, 1944.
LOWEST WATER LEVEL 67.62 BELOW LSD, FEB. 26, 1973.
RECORDS AVAILABLE 1943-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 1, 1979	64.38	APR. 4, 1980	63.49	JUNE 5, 1980	64.40	AUG. 11, 1980	64.82
MAR. 5, 1980	63.55						

303100093411201 LOCAL WELL NUMBER: BE-400

OWNER: SINCLAIR OIL CO. (SEC. 27, T. 6S., R. 13W.) DRILLED UNUSED ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE. DIAM 4 IN. REPORTED DEPTH 165 FT. SCREENED INTERVAL UNKNOWN. MP TOP OF COUPLING, 2.00 FT ABOVE LSD.
LSD 80.00 FT NGVD.
HIGHEST WATER LEVEL 32.71 BELOW LSD, FEB. 6, 1974.
LOWEST WATER LEVEL 41.73 BELOW LSD, NOV. 17, 1971.
RECORDS AVAILABLE 1968-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
AUG. 27, 1980	39.00						

304445093351701 LOCAL WELL NUMBER: BE-456

OWNER: U. S. GEOL. SURVEY. (SEC. 3, T. 4S., R. 12W.) DRILLED OBSERVATION ARTESIAN WELL IN ALLUVIAL AQUIFER OF QUATERNARY AGE. DIAM 2 IN. DEPTH 83 FT. SCREENED 78-83. MP TOP OF 2-IN PIPE, 2.90 FT ABOVE LSD.
LSD 70.00 FT NGVD.
HIGHEST WATER LEVEL 6.32 BELOW LSD, MAR. 7, 1978.
LOWEST WATER LEVEL 14.50 BELOW LSD, AUG. 26, 1980.
RECORDS AVAILABLE 1977-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
AUG. 26, 1980	14.50						

303606093384201 LOCAL WELL NUMBER: BE-457

OWNER: U. S. GEOL. SURVEY. (SEC. 25, T. 5S., R. 13W.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE. DIAM 2 IN. DEPTH 155 FT. SCREENED 150-155. MP TOP OF 2-IN PIPE, 2.30 FT ABOVE LSD.
LSD 95.00 FT NGVD.
HIGHEST WATER LEVEL 45.74 BELOW LSD, MAR. 4, 1977.
LOWEST WATER LEVEL 49.86 BELOW LSD, AUG. 26, 1980.
RECORDS AVAILABLE 1977-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
AUG. 26, 1980	49.86						

See footnotes at end of table.

BIENVILLE PARISH

323241093031901 LOCAL WELL NUMBER: BI-1

OWNER: TOWN OF GIBSLAND. (SEC. 14, T. 18N., R. 7W.) DRILLED UNUSED ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 6 IN, DEPTH 490 FT, SCREENED INTERVAL UNKNOWN. MP FLOOR OF RECORDER SHELTER, 3.15 FT ABOVE LSD.
LSD 270.00 FT NGVD.
HIGHEST WATER LEVEL 57.30 BELOW LSD, MAY 9, 1958.
LOWEST WATER LEVEL 100.15 BELOW LSD, AUG. 14, 1979.
RECORDS AVAILABLE 1956-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
APR. 8, 1980	90.78						

323240093032001 LOCAL WELL NUMBER: BI-2

OWNER: TOWN OF GIBSLAND. (SEC. 14, T. 18N, R. 7W.) DRILLED UNUSED ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 8 IN, DEPTH 490 FT, SCREENED 429-490. MP TOP OF CASING, 3.80 FT ABOVE LSD.
LSD 260.00 FT NGVD.
HIGHEST WATER LEVEL 45.68 BELOW LSD, MAR. 31, 1949.
LOWEST WATER LEVEL 93.96 BELOW LSD, JAN. 24, 1979.
RECORDS AVAILABLE 1940, 1948-71, 1975-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 5, 1979	80.62	APR. 8, 1980	79.83	MAY 20, 1980	83.70	JULY 28, 1980	84.40
JAN. 2, 1980	84.89	MAY 12	83.28	JUNE 23	82.59	AUG. 27	89.87
FEB. 14	85.31						

323251092551901 LOCAL WELL NUMBER: BI-4

OWNER: LOUISIANA GAS SERVICE CO. (SEC. 18, T. 18N., R. 5W.) DRILLED UNUSED ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 6 IN, DEPTH 585 FT, SCREENED 518-585. MP TOP OF CASING, 3.50 FT ABOVE LSD.
LSD 350.00 FT NGVD.
HIGHEST WATER LEVEL 149.55 BELOW LSD, OCT. 9, 1940.
LOWEST WATER LEVEL 228.75 BELOW LSD, JULY 1, 1977.
RECORDS AVAILABLE 1940, 1949-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 5, 1979	228.64	MAR. 31, 1980	225.70	JUNE 23, 1980	205.55	AUG. 27, 1980	201.88
JAN. 2, 1980	224.58	MAY 12	203.36	JULY 28	202.42	SEP. 18	209.10
FEB. 14	225.05	MAY 20	225.68				

321709092523901 LOCAL WELL NUMBER: BI-112

OWNER: CONTINENTAL CAN COMPANY. (SEC. 16, T. 15N., R. 5W.) DRILLED UNUSED ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 4 IN, DEPTH 348 FT, SCREENED 338-348. MP TOP OF BUSHING, 4.35 FT ABOVE LSD.
LSD 215.00 FT NGVD.
HIGHEST WATER LEVEL 67.43 BELOW LSD, AUG. 5, 1966.
LOWEST WATER LEVEL 112.89 BELOW LSD, MAR. 10, 1974.
RECORDS AVAILABLE 1966, 1971-77, 1979-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 6, 1979	104.05	FEB. 21, 1980	102.55	MAY 13, 1980	99.50	JULY 28, 1980	107.41
JAN. 7, 1980	104.84	APR. 1	97.60	MAY 19	101.67	SEP. 3	100.74

323505092535001 LOCAL WELL NUMBER: BI-144

OWNER: U. S. GEOL. SURVEY. (SEC. 4, T. 18N., R. 5W.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN, DEPTH 630 FT, SCREENED 620-630. MP TOP OF CASING, 3.00 FT ABOVE LSD.
LSD 320.00 FT NGVD.
HIGHEST WATER LEVEL 198.27 BELOW LSD, SEP. 1, 1970.
LOWEST WATER LEVEL 217.42 BELOW LSD, MAY 20, 1980.
RECORDS AVAILABLE 1970-73, 1975, 1977-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 6, 1979	213.41	MAR. 31, 1980	214.31	MAY 21, 1980	215.32	JULY 28, 1980	215.90
JAN. 2, 1980	215.64	MAY 20	217.42	JUNE 23	215.22	AUG. 27	216.60
FEB. 14	213.40						

322436092500501 LOCAL WELL NUMBER: BI-166

OWNER: U. S. GEOL. SURVEY. (SEC. 1, T. 16N., R. 5W.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN, DEPTH 472 FT, SCREENED 462-472. MP TOP OF BUSHING, 3.50 FT ABOVE LSD.
LSD 260.00 FT NGVD.
HIGHEST WATER LEVFL 155.21 BELOW LSD, APR. 28, 1975.
LOWEST WATER LEVEL 163.82 BELOW LSD, AUG. 29, 1980.
RECORDS AVAILABLE 1975-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 3, 1980	162.78	MAY 20	162.85	AUG. 29, 1980	163.82		

322343093211501 LOCAL WELL NUMBER: BI-214

OWNER: U. S. GEOL. SURVEY. (SEC. 1, T. 16N., R. 10W.) DRILLED OBSERVATION ARTESIAN WELL IN THE WILCOX GROUP OF PALEOCENE-EOCENE AGE, DIAM 2 IN, DEPTH 159 FT, SCREENED 149-159. MP TOP OF BUSHING, 4.00 FT ABOVE LSD.
LSD 177.00 FT NGVD.
HIGHEST WATER LEVEL 18.91 BELOW LSD, JULY 2, 1980.
LOWEST WATER LEVEL 22.55 BELOW LSD, SEP. 4, 1980.
RECORDS AVAILABLE 1979-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 24, 1979	20.30	APR. 7, 1980	19.58	JULY 2, 1980	18.91	SEP. 4, 1980	22.55
FEB. 28, 1980	20.02	MAY 21	19.14	JULY 29	19.26		

321616093184201 LOCAL WELL NUMBER: BI-215

OWNER: U. S. GEOL. SURVEY. (SEC. 20, T. 15N., R. 9W.) DRILLED OBSERVATION ARTESIAN WELL IN THE WILCOX GROUP OF PALEOCENE-EOCENE AGE, DIAM 2 IN, DEPTH 244 FT, SCREENED 234-244. MP TOP OF BUSHING, 4.00 FT ABOVE LSD.
LSD 270.00 FT NGVD.
HIGHEST WATER LEVEL 47.14 BELOW LSD, MAY 15, 1980.
LOWEST WATER LEVEL 49.03 BELOW LSD, OCT. 24, 1979.
RECORDS AVAILABLE 1979-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 24, 1979	49.03	APR. 7, 1980	47.24	JUNE 27, 1980	47.29	JULY 28, 1980	47.80
FEB. 28, 1980	47.48	MAY 15	47.14	JULY 2	47.39	SEP. 4	47.28

322119092572301 LOCAL WELL NUMBER: BI-216

OWNER: U. S. GEOL. SURVEY. (SEC. 23, T. 16N., R. 6W.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN, DEPTH 300 FT, SCREENED 290-300. MP TOP OF BUSHING, 4.00 FT ABOVE LSD.
LSD 200.00 FT NGVD.
HIGHEST WATER LEVEL 13.82 BELOW LSD, MAY 19, 1980.
LOWEST WATER LEVEL 17.02 BELOW LSD, SEP. 4, 1980.
RECORDS AVAILABLE 1979-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 10, 1979	14.91	FEB. 28, 1980	14.60	MAY 12, 1980	14.25	JULY 28, 1980	15.01
FEB. 21, 1980	14.41	APR. 2	14.24	MAY 19	13.82	SEP. 4	17.02

321616093184202 LOCAL WELL NUMBER: BI-234

OWNER: U. S. GEOL. SURVEY. (SEC. 20, T. 15N., R. 9W.) BORED OBSERVATION WATER-TABLE WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN, DEPTH 76 FT, SCREENED 73-76. MP TOP OF BUSHING, 2.90 FT ABOVE LSD.
LSD 270.00 FT NGVD.
HIGHEST WATER LEVEL 23.63 BELOW LSD, MAY 15, 1980.
LOWEST WATER LEVEL 25.44 BELOW LSD, SEP. 4, 1980.
RECORDS AVAILABLE CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAY 15, 1980	23.63	JULY 2, 1980	24.45	JULY 28, 1980	25.41	SEP. 4, 1980	25.44
JUNE 27	24.23						

BOSSIER PARISH

323400093292201 LOCAL WELL NUMBER: BO-322

OWNER: U. S. GEOL. SURVEY, (SEC. 10, T. 18N., R. 11W.) BORED OBSERVATION WATER-TABLE WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE. DIAM 1 1/4 IN, DEPTH 66 FT, SCREENED 63-66. MP TOP OF CASING, AT LSD.
LSD 200.00 FT NGVD.
HIGHEST WATER LEVEL 11.37 BELOW LSD, SEP. 7, 1977,
LOWEST WATER LEVEL 15.33 BELOW LSD, DEC. 21, 1977.
RECORDS AVAILABLE 1973, 1977-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 5, 1979	14.10	FEB. 29, 1980	13.37	JUNE 24, 1980	12.21	SEP. 10, 1980	14.53

323840093272001 LOCAL WELL NUMBER: BO-336

OWNER: U. S. GEOL. SURVEY, (SEC. 13, T. 19N., R. 11W.) BORED OBSERVATION WATER-TABLE WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE. DIAM 1 1/4 IN, DEPTH 84 FT, SCREENED 81-84. MP TOP OF CASING, 3.40 FT ABOVE LSD.
LSD 220.00 FT NGVD.
HIGHEST WATER LEVEL 26.78 BELOW LSD, JULY 11, 1974,
LOWEST WATER LEVEL 40.18 BELOW LSD, JUNE 15, 1978.
RECORDS AVAILABLE 1974, 1977-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 5, 1979	34.45	FEB. 29, 1980	35.30	JUNE 24, 1980	34.42	SEP. 10, 1980	37.18

CADDO PARISH

325045093513701 LOCAL WELL NUMBER: CD-345

OWNER: U. S. GEOL. SURVEY, (SEC. 6, T. 21N., R. 14W.) BORED OBSERVATION ARTESIAN WELL IN THE RED RIVER ALLUVIAL AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN, DEPTH 54 FT, SCREENED 51-54. MP TOP OF CASING, 1.30 FT ABOVE LSD.
LSD 189.71 FT NGVD.
HIGHEST WATER LEVEL 5.81 BELOW LSD, MAY 15, 1975,
LOWEST WATER LEVEL 18.46 BELOW LSD, SEP. 7, 1978.
RECORDS AVAILABLE 1957-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 6, 1979	11.67	FEB. 5, 1980	9.52	MAY 6, 1980	9.28	AUG. 6, 1980	10.98
DEC. 5	10.77	MAR. 4	9.44	JUNE 4	9.03	AUG. 27	11.70
JAN. 8, 1980	10.21	MAR. 31	9.21	JULY 1	9.80		

CALDWELL PARISH

320154092164602 LOCAL WELL NUMBER: CA-86A

OWNER: U. S. GEOL. SURVEY, (SEC. 8, T. 12N., R. 2E.) DRILLED OBSERVATION ARTESIAN WELL IN THE COCKFIELD FM. OF EOCENE AGE, DIAM 2 IN, DEPTH 288 FT SCREENED 278-288. MP TOP OF CASING, 2.83 FT ABOVE LSD.
LSD 160.00 FT NGVD.
HIGHEST WATER LEVEL 48.45 BELOW LSD, JAN. 13, 1976,
LOWEST WATER LEVEL 51.79 BELOW LSD, SEP. 11, 1978.
RECORDS AVAILABLE 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 20, 1979	50.30	MAR. 6, 1980	49.95	JUNE 3, 1980	49.85	SEP. 9, 1980	51.22

320154092164601 LOCAL WELL NUMBER: CA-86B

OWNER: U. S. GEOL. SURVEY, (SEC. 8, T. 12N., R. 2E.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN, DEPTH 545 FT, SCREENED 535-545. MP TOP OF CASING, 4.00 FT ABOVE LSD.
LSD 160.00 FT NGVD.
HIGHEST WATER LEVEL 77.30 BELOW LSD, MAR. 13, 1979, AUG. 6, 1979,
LOWEST WATER LEVEL 85.76 BELOW LSD, DEC. 10, 1974.
RECORDS AVAILABLE 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 20, 1979	77.40	MAR. 6, 1980	77.40	JUNE 3, 1980	77.40	SEP. 9, 1980	78.25

CATAHOULA PARISH

311500091582501 LOCAL WELL NUMBER: CT-74

OWNER: U. S. GEOL. SURVEY. (SEC. 8, T. 3N., R. 5E.) DRILLED OBSERVATION ARTESIAN WELL IN THE RED RIVER ALLUVIAL AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 196 FT, SCREENED 186-196. MP TOP OF BUSHING, 3.00 FT ABOVE LSD.
LSD 50.00 FT NGVD.
HIGHEST WATER LEVEL 4.62 ABOVE LSD, APR. 16, 1975.
LOWEST WATER LEVEL 54.95 BELOW LSD, SEP. 10, 1980.
RECORDS AVAILABLE 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 1, 1979	46.87	DEC. 27, 1979	46.27	MAR. 10, 1980	45.00	JUNE 19, 1980	47.20
OCT. 17	49.30	JAN. 10, 1980	45.00	APR. 9	39.50	JULY 8	53.90
OCT. 31	49.77	JAN. 24	45.80	APR. 10	39.70	SEP. 10	54.95
NOV. 14	49.00	FEB. 6	45.00	MAY 12	39.60	SEP. 19	54.42
DEC. 18	45.70	MAR. 5	44.63	JUNE 2	41.68		

CLAIBORNE PARISH

325752093082701 LOCAL WELL NUMBER: CL-9

OWNER: TOWN OF HAYNESVILLE. (SEC. 24, T. 23N., R. 8W.) DRILLED UNUSED ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 12 IN, DEPTH 670 FT, SCREENED INTERVAL UNKNOWN. MP TOP OF 3/4-IN COLLAR, 1.40 FT ABOVE LSD.
LSD 360.00 FT NGVD.
HIGHEST WATER LEVEL 212.45 BELOW LSD, DEC. 20, 1961.
LOWEST WATER LEVEL 278.37 BELOW LSD, AUG. 28, 1980.
RECORDS AVAILABLE 1956-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 6, 1979	265.55	FEB. 29, 1980	265.60	MAY 20, 1980	266.62	AUG. 28, 1980	278.37

324707093025001 LOCAL WELL NUMBER: CL-58

OWNER: TOWN OF HOMER. (SEC. 25 T. 21N., R. 7W.) DRILLED UNUSED ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 12 IN, DEPTH 482 FT, SCREENED 432-482. MP TOP OF 1-IN PIPE, 2.80 FT ABOVE LSD.
LSD 260.00 FT NGVD.
HIGHEST WATER LEVEL 95.64 BELOW LSD, JAN. 8, 1958.
LOWEST WATER LEVEL 141.19 BELOW LSD, AUG. 15, 1962.
RECORDS AVAILABLE 1957-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 29, 1980	137.95	MAY 20	136.37	AUG. 27, 1980	139.95		

323943092573601 LOCAL WELL NUMBER: CL-136

OWNER: U. S. GEOL. SURVEY. (SEC. 2, T. 19N., R. 6W.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN, DEPTH 835 FT, SCREENED 825-835. MP TOP OF CASING, 3.50 FT ABOVE LSD.
LSD 405.00 FT NGVD.
HIGHEST WATER LEVEL 297.80 BELOW LSD, JUNE 26, 1974.
LOWEST WATER LEVEL 309.62 BELOW LSD, AUG. 28, 1980.
RECORDS AVAILABLE 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 29, 1980	305.00	MAY 21	307.39	AUG. 28, 1980	309.62		

325706092591001 LOCAL WELL NUMBER: CL-137

OWNER: U. S. GEOL. SURVEY. (SEC. 28, T. 23N., R. 6W.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN, DEPTH 639 FT, SCREENED 629-639. MP TOP OF CASING, 4.00 FT ABOVE LSD.
LSD 280.00 FT NGVD.
HIGHEST WATER LEVEL 211.44 BELOW LSD, MAY 14, 1975.
LOWEST WATER LEVEL 220.70 BELOW LSD, AUG. 28, 1980.
RECORDS AVAILABLE 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 29, 1980	218.31	MAY 20	219.38	AUG. 28, 1980	220.70		

CLAIBORNE PARISH

323908093093101 LOCAL WELL NUMBER: CL-138

OWNER: U. S. GEOL. SURVEY. (SEC. 11, T. 19N., R. 8W.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN, DEPTH 661 FT, SCREENED 651-661. MP TOP OF CASING, 3.80 FT ABOVE LSD.
LSD 380.00 FT NGVD.
HIGHEST WATER LEVEL 206.29 BELOW LSD, JULY 15, 1975,
LOWEST WATER LEVEL 213.54 BELOW LSD, OCT. 3, 1978.
RECORDS AVAILABLE 1975-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 6, 1979	213.02	FEB. 14, 1980	211.92	MAY 12, 1980	212.10	JUNE 23, 1980	211.92
JAN. 2, 1980	212.89	APR. 8	212.37	MAY 21	211.90	AUG. 27	213.37

325437092503301 LOCAL WELL NUMBER: CL-148

OWNER: U. S. GEOL. SURVEY. (SEC. 12, T. 22N., R. 5W.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN, DEPTH 625 FT, SCREENED 615-625. MP TOP OF BUSHING, 3.50 FT ABOVE LSD.
LSD 190.00 FT NGVD.
HIGHEST WATER LEVEL 171.03 BELOW LSD, JUNE 23, 1980,
LOWEST WATER LEVEL 180.01 BELOW LSD, AUG. 15, 1979.
RECORDS AVAILABLE 1978-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 6, 1979	176.87	MAR. 31, 1980	176.71	MAY 20, 1980	174.63	AUG. 1, 1980	174.79
JAN. 2, 1980	176.84	MAY 12	174.63	JUNE 23	171.03	AUG. 28	175.83
FEB. 29	177.86						

330002092445901 LOCAL WELL NUMBER: CL-149

OWNER: U. S. GEOL. SURVEY. (SEC. 11, T. 23N., R. 4W.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN, DEPTH 736 FT, SCREENED 726-736. MP TOP OF BUSHING, 3.50 FT ABOVE LSD.
LSD 230.00 FT NGVD.
HIGHEST WATER LEVEL 264.01 BELOW LSD, FEB. 21, 1980,
LOWEST WATER LEVEL 269.15 BELOW LSD, JAN. 30, 1979.
RECORDS AVAILABLE 1978-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 4, 1979	265.80	FEB. 21, 1980	264.01	MAY 20, 1980	265.57	AUG. 26, 1980	265.93
JAN. 10, 1980	266.28	APR. 4	265.77	AUG. 1	266.45		

324908092443501 LOCAL WELL NUMBER: CL-151

OWNER: U. S. GEOL. SURVEY. (SEC. 11, T. 21N., R. 4W.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN, DEPTH 719 FT, SCREENED 709-719. MP TOP OF BUSHING, 4.00 FT ABOVE LSD.
LSD 180.00 FT NGVD.
HIGHEST WATER LEVEL 180.24 BELOW LSD, MAY 20, 1980,
LOWEST WATER LEVEL 181.68 BELOW LSD, AUG. 26, 1980.
RECORDS AVAILABLE CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 21, 1980	180.40	APR. 4, 1980	180.69	AUG. 1, 1980	180.99	AUG. 26, 1980	181.68
FEB. 27	181.00	MAY 20	180.24				

CONCORDIA PARISH

313604091481901 LOCAL WELL NUMBER: CO-50

OWNER: MONTEREY WATER SYSTEM. (SEC. 12, T. 7N., R. 6E.) DRILLED PUBLIC-SUPPLY ARTESIAN WELL IN THE CATAHOULA FM. OF MIOCENE AGE, DIAM 4 IN, DEPTH 700 FT, SCREENED 680-700. MP TOP OF HOLE IN PUMP BASE, 2.00 FT ABOVE LSD.
LSD 55.00 FT NGVD.
HIGHEST WATER LEVEL 4.01 BELOW LSD, AUG. 15, 1970,
LOWEST WATER LEVEL 41.71 BELOW LSD, JAN. 5, 1977.
RECORDS AVAILABLE 1970, 1977-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 31, 1979	19.85	MAR. 5, 1980	20.55	JUNE 2, 1980	22.00C	JULY 7, 1980	24.50C
JAN. 24, 1980	38.70A	APR. 24	19.40C				

See footnotes at end of table.

320731093561901 LOCAL WELL NUMBER: DS-177

OWNER: HOWARD DENNISON, (SEC. 7, T. 13N., R. 15W.) DRILLED UNUSED ARTESIAN WELL IN THE WILCOX GROUP OF PALEOCENE-EOCENE AGE, DIAM 4 IN, DEPTH 350 FT, CASING PERFORATED 290-350. MP TOP OF CASING, 1.05 FT ABOVE LSD.
LSD 300.00 FT NGVD.
HIGHEST WATER LEVEL 36.13 BELOW LSD, MAY 27, 1962.
LOWEST WATER LEVEL 61.28 BELOW LSD, DEC. 19, 1979.
RECORDS AVAILABLE 1955-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 19, 1979	61.28	MAR. 11, 1980	58.94	MAY 28, 1980	58.59	SEP. 10, 1980	60.55

321311093380501 LOCAL WELL NUMBER: DS-375

OWNER: U. S. GEOL. SURVEY, (SEC. 7, T. 14N., R. 12W.) BORED OBSERVATION WATER-TABLE WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN, DEPTH 94 FT, SCREENED 90-94. MP TOP OF CASING, 4.80 FT ABOVE LSD.
LSD 180.00 FT NGVD.
HIGHEST WATER LEVEL 41.70 BELOW LSD, APR. 25, 1975.
LOWEST WATER LEVEL 43.79 BELOW LSD, DEC. 5, 1979.
RECORDS AVAILABLE 1975, 1977-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
APR. 25, 1975	41.70	AUG. 7, 1978	42.18	MAR. 6, 1979	42.55	DEC. 5, 1979	43.79
DEC. 20, 1977	42.17	SEP. 19	42.72	APR. 16	42.56	MAR. 3, 1980	42.42
FEB. 21, 1978	42.26	NOV. 6	42.80	JUNE 13	42.55	JUNE 3	42.22
MAR. 29	42.34	DEC. 18	42.78	JULY 3	42.50	SEP. 11	42.07
MAY 15	42.13	JAN. 23, 1979	42.55	AUG. 28	42.30		

315345093355801 LOCAL WELL NUMBER: DS-443

OWNER: U. S. GEOL. SURVEY, (SEC. 37, T. 11N., R. 12W.) DRILLED OBSERVATION ARTESIAN WELL IN THE WILCOX GROUP OF PALEOCENE-EOCENE AGE, DIAM 2 IN, DEPTH 304 FT, SCREENED 294-304. MP TOP OF CASING, 3.20 FT ABOVE LSD.
LSD 280.00 FT NGVD.
HIGHEST WATER LEVEL 61.22 BELOW LSD, MAY 27, 1980.
LOWEST WATER LEVEL 63.27 BELOW LSD, SEP. 10, 1980.
RECORDS AVAILABLE 1977-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 3, 1979	62.70	JAN. 30, 1980	62.30	APR. 22, 1980	61.97	JULY 8, 1980	62.43
DEC. 18	62.48	MAR. 10	62.24	MAY 27	61.22	SEP. 10	63.27

315545093372601 LOCAL WELL NUMBER: DS-444

OWNER: U. S. GEOL. SURVEY, (SEC. 20, T. 11N., R. 12W.) DRILLED OBSERVATION ARTESIAN WELL IN THE WILCOX GROUP OF PALEOCENE-EOCENE AGE, DIAM 2 IN, DEPTH 241 FT, SCREENED 231-241. MP TOP OF CASING, 3.45 FT ABOVE LSD.
LSD 305.00 FT NGVD.
HIGHEST WATER LEVEL 58.59 BELOW LSD, MAY 27, 1980.
LOWEST WATER LEVEL 60.25 BELOW LSD, SEP. 10, 1980.
RECORDS AVAILABLE 1977-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 6, 1979	59.86	JAN. 29, 1980	59.45	APR. 22, 1980	58.83	JULY 8, 1980	59.45
DEC. 18	59.86	MAR. 10	59.04	MAY 27	58.59	SEP. 10	60.25

315521093343801 LOCAL WELL NUMBER: DS-445

OWNER: U. S. GEOL. SURVEY, (SEC. 22, T. 11N., R. 12W.) DRILLED OBSERVATION ARTESIAN WELL IN THE WILCOX GROUP OF PALEOCENE-EOCENE AGE, DIAM 2 IN, DEPTH 140 FT, SCREENED 130-140. MP TOP OF CASING, 3.60 FT ABOVE LSD.
LSD 305.00 FT NGVD.
HIGHEST WATER LEVEL 78.13 BELOW LSD, MAY 15, 1978.
LOWEST WATER LEVEL 80.32 BELOW LSD, SEP. 10, 1980.
RECORDS AVAILABLE 1977-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 6, 1979	79.31	JAN. 29, 1980	79.10	APR. 22, 1980	79.00	JULY 8, 1980	79.55
DEC. 18	79.20	MAR. 10	79.24	MAY 28	78.63	SEP. 10	80.32

DE SOTO PARISH

315629093352601   LOCAL WELL NUMBER: DS-446

OWNER: U. S. GEOL. SURVEY. (SEC. 15, T. 11N., R. 12W.) DRILLED OBSERVATION ARTESIAN WELL IN THE WILCOX GROUP OF PALEOCENE-EOCENE AGE, DIAM 2 IN, DEPTH 220 FT, SCREENED 210-220. MP TOP OF CASING, 3.85 FT ABOVE LSD.
LSD 340.00 FT NGVD.
HIGHEST WATER LEVEL   91.12 BELOW LSD, MAY 15, 1978.
LOWEST WATER LEVEL   92.23 BELOW LSD, SEP. 10, 1980.
RECORDS AVAILABLE 1977-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 6, 1979	92.05	JAN. 29, 1980	91.80	APR. 22, 1980	91.43	JULY 8, 1980	91.71
DEC. 18	92.09	MAR. 10	91.44	MAY 27	91.17	SEP. 10	92.23

315459093302001   LOCAL WELL NUMBER: DS-448

OWNER: U. S. GEOL. SURVEY. (SEC. 28, T. 11N., R. 11W.) DRILLED OBSERVATION ARTESIAN WELL IN THE WILCOX GROUP OF PALEOCENE-EOCENE AGE, DIAM 2 IN, DEPTH 230 FT, SCREENED 220-230. MP TOP OF CASING, 3.63 FT ABOVE LSD.
LSD 270.00 FT NGVD.
HIGHEST WATER LEVEL 124.22 BELOW LSD, MAY 30, 1979.
LOWEST WATER LEVEL 126.35 BELOW LSD, NOV. 6, 1978.
RECORDS AVAILABLE 1977-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 7, 1979	125.79	JAN. 29, 1980	125.22	APR. 22, 1980	124.37	JULY 8, 1980	124.87
DEC. 18	125.65	MAR. 10	124.49	MAY 28	124.23	SEP. 10	125.72

315318093274201   LOCAL WELL NUMBER: DS-449

OWNER: U. S. GEOL. SURVEY. (SEC. 2, T. 10N., R. 11W.) DRILLED OBSERVATION ARTESIAN WELL IN THE WILCOX GROUP OF PALEOCENE-EOCENE AGE, DIAM 2 IN, DEPTH 240 FT, SCREENED 230-240. MP TOP OF CASING, 3.25 FT ABOVE LSD.
LSD 230.00 FT NGVD.
HIGHEST WATER LEVEL   88.64 BELOW LSD, APR. 16, 1979.
LOWEST WATER LEVEL   92.44 BELOW LSD, DEC. 18, 1979.
RECORDS AVAILABLE 1977-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 7, 1979	91.11	MAR. 10, 1980	89.53	MAY 28, 1980	88.88	JULY 8, 1980	91.04
DEC. 18	92.44	APR. 22	88.92	JULY 3	89.82	SEP. 10	91.05
JAN. 30, 1980	90.15						

315509093320901   LOCAL WELL NUMBER: DS-450

OWNER: U. S. GEOL. SURVEY. (SEC. 19, T. 11N., R. 11W.) DRILLED OBSERVATION ARTESIAN WELL IN THE WILCOX GROUP OF PALEOCENE-EOCENE AGE, DIAM 2 IN, DEPTH 262 FT, SCREENED 252-262. MP TOP OF CASING, 4.10 FT ABOVE LSD.
LSD 290.00 FT NGVD.
HIGHEST WATER LEVEL 127.21 BELOW LSD, MAY 28, 1980.
LOWEST WATER LEVEL 128.94 BELOW LSD, MAR. 6, 1979.
RECORDS AVAILABLE 1978-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 7, 1979	128.46	JAN. 29, 1980	128.05	APR. 22, 1980	127.43	JULY 8, 1980	127.81
DEC. 18	128.39	MAR. 10	127.55	MAY 28	127.21	SEP. 10	128.46

320059093363701   LOCAL WELL NUMBER: DS-451

OWNER: U. S. GEOL. SURVEY. (SEC. 21, T. 12N., R. 12W.) BORED OBSERVATION ARTESIAN WELL IN THE WILCOX GROUP OF PALEOCENE-EOCENE AGE, DIAM 1 1/4 IN, DEPTH 60 FT, SCREENED 55-60. MP TOP OF BUSHING, 4.00 FT ABOVE LSD.
LSD 365.00 FT NGVD.
HIGHEST WATER LEVEL   41.03 BELOW LSD, MAY 27, 1980.
LOWEST WATER LEVEL   41.95 BELOW LSD, NOV. 6, 1979.
RECORDS AVAILABLE 1979-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 6, 1979	41.95	JAN. 30, 1980	41.87	APR. 22, 1980	41.26	JULY 8, 1980	41.35
DEC. 19	41.80	MAR. 10	41.66	MAY 27	41.03	SEP. 10	41.70

320045093374601 LOCAL WELL NUMBER: DS-462

OWNER: U. S. GEOL. SURVEY. (SEC. 19, T. 12N., R. 12W.) BORED OBSERVATION ARTESIAN WELL IN THE WILCOX GROUP OF PALEOCENE-EOCENE AGE, DIAM 1 1/4 IN, DEPTH 62 FT, SCREENED 57-62. MP TOP OF BUSHING, 4.00 FT ABOVE LSD.
LSD 330.00 FT NGVD.
HIGHEST WATER LEVEL 31.82 BELOW LSD, MAY 16, 1979,
LOWEST WATER LEVEL 36.36 BELOW LSD, NOV. 6, 1979.
RECORDS AVAILABLE 1979-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 6, 1979	36.36	JAN. 30, 1980	33.97	APR. 22, 1980	32.40	JULY 8, 1980	33.95
DEC. 19	35.64	MAR. 10	32.94	MAY 27	32.37	SEP. 10	36.17

320029093383701 LOCAL WELL NUMBER: DS-463

OWNER: U. S. GEOL. SURVEY. (SEC. 19, T. 12N., R. 12W.) BORED OBSERVATION ARTESIAN WELL IN THE WILCOX GROUP OF PALEOCENE-EOCENE AGE, DIAM 1 1/4 IN, DEPTH 79 FT, SCREENED 74-79. MP TOP OF BUSHING, 4.00 FT ABOVE LSD.
LSD 345.00 FT NGVD.
HIGHEST WATER LEVEL 31.31 BELOW LSD, MAY 24, 1979,
LOWEST WATER LEVEL 39.75 BELOW LSD, SEP. 10, 1980.
RECORDS AVAILABLE 1979-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 6, 1979	39.06	JAN. 30, 1980	37.63	APR. 22, 1980	35.97	JULY 8, 1980	36.90
DEC. 19	38.60	MAR. 10	36.56	MAY 27	35.78	SEP. 10	39.75

320000093383101 LOCAL WELL NUMBER: DS-464

OWNER: U. S. GEOL. SURVEY. (SEC. 30, T. 12N., R. 12W.) BORED OBSERVATION ARTESIAN WELL IN THE WILCOX GROUP OF PALEOCENE-EOCENE AGE, DIAM 1 1/4 IN, DEPTH 87 FT, SCREENED 82-87. MP TOP OF BUSHING, 4.00 FT ABOVE LSD.
LSD 350.00 FT NGVD.
HIGHEST WATER LEVEL 15.73 BELOW LSD, APR. 22, 1980,
LOWEST WATER LEVEL 22.80 BELOW LSD, SEP. 10, 1980.
RECORDS AVAILABLE 1979-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 6, 1979	21.70	JAN. 30, 1980	18.27	APR. 22, 1980	15.73	JULY 8, 1980	21.09
DEC. 19	20.92	MAR. 10	18.12	MAY 27	17.07	SEP. 10	22.80

315929093380301 LOCAL WELL NUMBER: DS-465

OWNER: U. S. GEOL. SURVEY. (SEC. 30, T. 12N., R. 12W.) BORED OBSERVATION ARTESIAN WELL IN THE WILCOX GROUP OF PALEOCENE-EOCENE AGE, DIAM 1 1/4 IN, DEPTH 46 FT, SCREENED 41-46. MP TOP OF BUSHING, 4.00 FT ABOVE LSD.
LSD 310.00 FT NGVD.
HIGHEST WATER LEVEL 9.48 BELOW LSD, MAY 27, 1980,
LOWEST WATER LEVEL 12.08 BELOW LSD, SEP. 10, 1980.
RECORDS AVAILABLE 1979-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 6, 1979	11.04	JAN. 30, 1980	11.00	APR. 22, 1980	9.74	JULY 8, 1980	10.45
DEC. 19	11.36	MAR. 10	10.49	MAY 27	9.48	SEP. 10	12.08

315902093371201 LOCAL WELL NUMBER: DS-466

OWNER: U. S. GEOL. SURVEY. (SEC. 32, T. 12N., R. 12W.) BORED OBSERVATION ARTESIAN WELL IN THE WILCOX GROUP OF PALEOCENE-EOCENE AGE, DIAM 1 1/4 IN, DEPTH 80 FT, SCREENED 77-80. MP TOP OF BUSHING, 4.00 FT ABOVE LSD.
LSD 345.00 FT NGVD.
HIGHEST WATER LEVEL 42.00 BELOW LSD, MAY 27, 1980,
LOWEST WATER LEVEL 43.33 BELOW LSD, NOV. 6, 1979.
RECORDS AVAILABLE 1979-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 6, 1979	43.33	JAN. 30, 1980	43.25	APR. 22, 1980	42.27	JULY 8, 1980	42.42
DEC. 19	43.17	MAR. 10	42.54	MAY 27	42.00	SEP. 10	43.03

DE SOTO PARISH

315836093363801 LOCAL WELL NUMBER: DS-467

OWNER: U. S. GEOL. SURVEY. (SEC. 33, T. 12N., R. 12W.) BORED OBSERVATION ARTESIAN WELL IN THE WILCOX GROUP OF PALEOCENE-EOCENE AGE. DIAM 1 1/4 IN. DEPTH 87 FT. SCREENED 82-87. MP TOP OF BUSHING. 4.00 FT ABOVE LSD.
LSD 345.00 FT NGVD.
HIGHEST WATER LEVEL 42.52 BELOW LSD, MAY 27, 1980.
LOWEST WATER LEVEL 43.87 BELOW LSD, NOV. 6, 1979.
RECORDS AVAILABLE 1979-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 6, 1979	43.87	JAN. 30, 1980	43.33	APR. 22, 1980	42.75	JULY 8, 1980	43.19
DEC. 19	43.77	MAR. 10	43.02	MAY 27	42.52	SEP. 10	43.80

315501093282901 LOCAL WELL NUMBER: DS-468

OWNER: U. S. GEOL. SURVEY. (SEC. 27, T. 11N., R. 11W.) BORED OBSERVATION ARTESIAN WELL IN THE WILCOX GROUP OF PALEOCENE-EOCENE AGE. DIAM 1 1/4 IN. DEPTH 117 FT. SCREENED 114-117. MP TOP OF BUSHING. 4.00 FT ABOVE LSD.
LSD 145.00 FT NGVD.
HIGHEST WATER LEVEL 5.80 BELOW LSD, APR. 24, 1980.
LOWEST WATER LEVEL 9.25 BELOW LSD, SEP. 10, 1980.
RECORDS AVAILABLE 1979-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 7, 1979	8.58	JAN. 29, 1980	6.50	APR. 24, 1980	5.80	JULY 8, 1980	7.85
DEC. 18	7.42	MAR. 10	6.11	MAY 28	5.93	SEP. 10	9.25

320118093555601 LOCAL WELL NUMBER: DS-504

OWNER: U. S. GEOL. SURVEY. (SEC. 17, T. 12N., R. 15W.) DRILLED OBSERVATION ARTESIAN WELL IN THE WILCOX GROUP OF PALEOCENE-EOCENE AGE. DIAM 2 IN. DEPTH 260 FT. SCREENED 250-260. MP TOP OF BUSHING. 5.00 FT ABOVE LSD.
LSD 280.00 FT NGVD.
HIGHEST WATER LEVEL 68.23 BELOW LSD, MAY 28, 1980.
LOWEST WATER LEVEL 69.74 BELOW LSD, NOV. 23, 1979.
RECORDS AVAILABLE 1979-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 23, 1979	69.74	MAR. 11, 1980	68.43	MAY 28, 1980	68.23	JULY 9, 1980	69.18
FEB. 1, 1980	68.71	APR. 23	68.28	JULY 1	68.63	SEP. 10	69.29

315818093575202 LOCAL WELL NUMBER: DS-506

OWNER: U. S. GEOL. SURVEY. (SEC. 1, T. 11N., R. 16W.) BORED OBSERVATION ARTESIAN WELL IN THE WILCOX GROUP OF PALEOCENE-EOCENE AGE. DIAM 1 1/4 IN. DEPTH 56 FT. SCREENED 53-56. MP TOP OF BUSHING. 3.40 FT ABOVE LSD.
LSD 200.00 FT NGVD.
HIGHEST WATER LEVEL 14.08 BELOW LSD, APR. 23, 1980.
LOWEST WATER LEVEL 17.61 BELOW LSD, SEP. 10, 1980.
RECORDS AVAILABLE CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
APR. 23, 1980	14.08	JULY 1, 1980	15.40	JULY 9, 1980	16.05	SEP. 10, 1980	17.61
MAY 28	14.26						

315722093200501 LOCAL WELL NUMBER: DS-507

OWNER: U. S. GEOL. SURVEY. (SEC. 11, T. 11N., R. 11W.) BORED OBSERVATION ARTESIAN WELL IN THE WILCOX GROUP OF PALEOCENE-EOCENE AGE. DIAM 1 1/4 IN. DEPTH 52 FT. SCREENED 49-52. MP TOP OF BUSHING. 3.20 FT ABOVE LSD.
LSD 140.00 FT NGVD.
HIGHEST WATER LEVEL 11.08 BELOW LSD, MAY 29, 1980.
LOWEST WATER LEVEL 14.05 BELOW LSD, SEP. 10, 1980.
RECORDS AVAILABLE CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
APR. 24, 1980	12.00	MAY 29, 1980	11.08	JULY 8, 1980	13.34	SEP. 10, 1980	14.05

DE SOTO PARISH

315558093270401 LOCAL WELL NUMBER: DS-508

OWNER: U. S. GEOL. SURVEY. (SEC. 13, T. 11N., R. 11W.) BORED OBSERVATION WATER-TABLE WELL IN THE WILCOX GROUP OF PALEOCENE-EOCENE AGE, DIAM 1 1/4 IN, DEPTH 89 FT, SCREENED 86-89. MP TOP OF BUSHING, 3.20 FT ABOVE LSD.
LSD 190.00 FT NGVD.
HIGHEST WATER LEVEL 49.52 BELOW LSD, MAY 29, 1980,
LOWEST WATER LEVEL 50.51 BELOW LSD, SEP. 10, 1980.
RECORDS AVAILABLE CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
APR. 24, 1980	49.99	MAY 29, 1980	49.52	JULY 8, 1980	49.73	SEP. 10, 1980	50.51

315653093571302 LOCAL WELL NUMBER: DS-509

OWNER: U. S. GEOL. SURVEY. (SEC. 12, T. 11N., R. 16W.) BORED OBSERVATION ARTESIAN WELL IN THE WILCOX GROUP OF PALEOCENE-EOCENE AGE, DIAM 1 1/4 IN, DEPTH 139 FT, SCREENED 136-139. MP TOP OF BUSHING, 3.20 FT ABOVE LSD.
LSD 205.00 FT NGVD.
HIGHEST WATER LEVEL 19.78 BELOW LSD, MAY 27, 1980,
LOWEST WATER LEVEL 21.02 BELOW LSD, SEP. 10, 1980.
RECORDS AVAILABLE CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
APR. 23, 1980	19.82	JULY 1, 1980	20.19	JULY 9, 1980	20.62	SEP. 10, 1980	21.02
MAY 27	19.78						

320118093555602 LOCAL WELL NUMBER: DS-510

OWNER: U. S. GEOL. SURVEY. (SEC. 17, T. 12N., R. 15W.) BORED OBSERVATION ARTESIAN WELL IN THE WILCOX GROUP OF PALEOCENE-EOCENE AGE, DIAM 1 1/4 IN, DEPTH 170 FT, SCREENED 167-170. MP TOP OF BUSHING, 4.30 FT ABOVE LSD.
LSD 280.00 FT NGVD.
HIGHEST WATER LEVEL 44.42 BELOW LSD, JULY 1, 1980,
LOWEST WATER LEVEL 45.10 BELOW LSD, SEP. 10, 1980.
RECORDS AVAILABLE CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JULY 1, 1980	44.42	JULY 9	44.63	SEP. 10, 1980	45.10		

EAST CARROLL PARISH

324040091110801 LOCAL WELL NUMBER: EC-55

OWNER: ELTON FORTENBERRY. (SEC. 38, T. 20N., R. 12E.) DRILLED IRRIGATION SEMIARTESIAN WELL IN THE MISSISSIPPI RIVER ALLUVIAL AQUIFER OF PLEISTOCENE AGE, DIAM 12 IN, DEPTH 114 FT, SCREENED 74-114. MP TOP OF CASING, 0.50 FT ABOVE LSD.
LSD 97.00 FT NGVD.
HIGHEST WATER LEVEL 0.26 BELOW LSD, MAY 16, 1973,
LOWEST WATER LEVEL 29.63 BELOW LSD, JUNE 22, 1964.
RECORDS AVAILABLE 1955, 1961-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 4, 1979	15.35	FEB. 20, 1980	15.20	JULY 1, 1980	13.18	SEP. 3, 1980	17.30

325100091132401 LOCAL WELL NUMBER: EC-89

OWNER: U. S. GEOL. SURVEY. (SEC. 41, T. 22N., R. 12E.) DRILLED OBSERVATION ARTESIAN WELL IN THE COCKFIELD FM. OF EOCENE AGE, DIAM 4 TO 2 IN, DEPTH 335 FT, SCREENED 330-335. MP TOP OF CASING, 0.72 FT ABOVE LSD.
LSD 106.05 FT NGVD.
HIGHEST WATER LEVEL 13.53 BELOW LSD, MAY 14, 1958,
LOWEST WATER LEVEL 23.55 BELOW LSD, SEP. 3, 1980.
RECORDS AVAILABLE 1955-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 4, 1979	16.86	FEB. 20, 1980	15.08	JULY 1, 1980	19.77	SEP. 3, 1980	23.55

EAST CARROLL PARISH

325100091132402 LOCAL WELL NUMBER: EC-90

OWNER: U. S. GEOL. SURVEY. (SEC. 41, T. 22N., R. 12E.) DRILLED OBSERVATION ARTESIAN WELL IN THE MISSISSIPPI RIVER ALLUVIAL AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 88 FT, SCREENED 83-88. MP TOP OF CASING, 0.75 FT ABOVE LSD.
LSD 106.05 FT NGVD.
HIGHEST WATER LEVEL 13.31 BELOW LSD, MAR. 22, 1973.
LOWEST WATER LEVEL 22.96 BELOW LSD, SEP. 21, 1966.
RECORDS AVAILABLE 1955-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 4, 1979	18.75	FEB. 20, 1980	16.28	JULY 1, 1980	19.81	SEP. 3, 1980	21.06

EVANGELINE PARISH

304120092263001 LOCAL WELL NUMBER: EV-229

OWNER: CHESTLEY FONTENOT. (SEC. 25, T. 4S., R. 1W.) DRILLED UNUSED ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 18 TO 12 IN, DEPTH 231 FT, SCREENED 149-231. MP FLOOR OF SHELTER HOUSE, 0.85 FT ABOVE LSD.
LSD 65.66 FT NGVD.
HIGHEST WATER LEVEL 45.52 BELOW LSD, APR. 18, 1951.
LOWEST WATER LEVEL 108.09 BELOW LSD, JULY 18, 1980.
RECORDS AVAILABLE 1949-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 1, 1979	85.63H	DEC. 31, 1979	81.86	APR. 5, 1980	83.58	JULY 5, 1980	106.10
OCT. 5	85.57	JAN. 5, 1980	81.73	APR. 10	87.68	JULY 10	107.28
OCT. 10	85.41	JAN. 10	81.44	APR. 15	84.71	JULY 15	107.29
OCT. 15	85.06	JAN. 15	81.36	APR. 16	85.17H	JULY 18	108.09J
OCT. 20	84.65	JAN. 20	81.25	APR. 20	86.56	JULY 20	107.53
OCT. 25	84.46	JAN. 22	80.89H	APR. 25	90.13	JULY 25	106.14
OCT. 31	83.86	JAN. 25	80.77	APR. 30	91.88	JULY 31	102.96
NOV. 5	84.06	JAN. 31	80.97	MAY 5	92.26	AUG. 5	100.28
NOV. 6	84.08H	FEB. 5	80.75	MAY 10	99.40	AUG. 10	97.79
NOV. 10	83.74	FEB. 10	80.48	MAY 15	99.87	AUG. 15	97.20
NOV. 15	83.79	FEB. 15	80.32	MAY 20	92.31	AUG. 20	96.63
NOV. 20	83.43	FEB. 20	80.05	MAY 25	89.40	AUG. 25	95.97
NOV. 24	83.11H	FEB. 21	80.02H	MAY 27	91.67H	AUG. 26	95.67H
NOV. 25	82.82	FEB. 25	80.14	MAY 31	93.44	AUG. 31	94.52
NOV. 30	83.12	FEB. 29	79.99	JUNE 5	95.52	SEP. 5	93.58
DEC. 5	82.79	MAR. 5	80.12	JUNE 10	99.88	SEP. 10	93.40
DEC. 10	82.70	MAR. 10	85.49	JUNE 15	106.16	SEP. 15	92.71
DEC. 15	82.38	MAR. 15	89.48	JUNE 20	106.70	SEP. 20	91.80
DEC. 20	82.26	MAR. 20	92.10H	JUNE 23	105.84H	SEP. 23	91.00H
DEC. 25	82.04	MAR. 25	88.45	JUNE 25	105.38	SEP. 25	90.79
DEC. 26	81.97H	MAR. 31	84.71	JUNE 30	104.07	SEP. 30	90.35

GRANT PARISH

312703092224801 LOCAL WELL NUMBER: G-1278

OWNER: U. S. GEOL. SURVEY. (SEC. 32, T. 6N., R. 1E.) BORED OBSERVATION WATER-TABLE WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN, DEPTH 97 FT, SCREENED 93-97. MP TOP OF CASING, 1.00 FT ABOVE LSD.
LSD 231.75 FT NGVD.
HIGHEST WATER LEVEL 66.31 BELOW LSD, JULY 23, 1980.
LOWEST WATER LEVEL 72.43 BELOW LSD, JAN. 25, 1972.
RECORDS AVAILABLE 1956-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 24, 1979	68.04	JAN. 23, 1980	68.00	APR. 22, 1980	67.10	JULY 23, 1980	66.31
NOV. 23	68.12	FEB. 26	66.04	MAY 27	66.72	AUG. 28	66.50
DEC. 26	68.03	MAR. 31	68.19	JUNE 30	66.45	SEP. 29	66.62

See footnotes at end of table.

GRANT PARISH

313119092254001 LOCAL WELL NUMBER: G-262

OWNER: U. S. GEOL. SURVEY. (SEC. 1, T. 6N., R. 1W.) BORED OBSERVATION WATER-TABLE WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/2 IN, DEPTH 65 FT, SCREENED 62-65. MP TOP OF CASING, 3.30 FT ABOVE LSD.
LSD 178.73 FT NGVD.
HIGHEST WATER LEVEL 35.55 BELOW LSD, APR. 30, 1974.
LOWEST WATER LEVEL 45.15 BELOW LSD, DEC. 23, 1977.
RECORDS AVAILABLE 1970-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 26, 1979	38.65	MAR. 3, 1980	39.00	JUNE 2, 1980	36.26	SEP. 8, 1980	36.77

314200092465101 LOCAL WELL NUMBER: G-305

OWNER: U. S. GEOL. SURVEY. (SEC. 4, T. 8N., R. 4W.) BORED OBSERVATION WATER-TABLE WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN, DEPTH 40 FT, SCREENED 37-40. MP TOP OF CASING, 3.00 FT ABOVE LSD.
LSD 210.00 FT NGVD.
HIGHEST WATER LEVEL 10.65 BELOW LSD, JAN. 30, 1974.
LOWEST WATER LEVEL 19.86 BELOW LSD, DEC. 7, 1978.
RECORDS AVAILABLE 1971-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 28, 1979	15.52	MAR. 6, 1980	14.86	SEP. 8, 1980	15.42		

313156092324101 LOCAL WELL NUMBER: G-314

OWNER: U. S. GEOL. SURVEY. (SEC. 2, T. 7N., R. 2W.) BORED OBSERVATION WATER-TABLE WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN, DEPTH 99 FT, SCREENED 96-99. MP TOP OF CASING, 4.00 FT ABOVE LSD.
LSD 245.00 FT NGVD.
HIGHEST WATER LEVEL 47.65 BELOW LSD, JULY 7, 1975.
LOWEST WATER LEVEL 59.62 BELOW LSD, NOV. 15, 1971.
RECORDS AVAILABLE 1971-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 20, 1979	54.53	MAR. 6, 1980	54.20	JUNE 3, 1980	51.63	SEP. 8, 1980	52.02

JACKSON PARISH

321709092452401 LOCAL WELL NUMBER: JA-49

OWNER: CONTINENTAL CAN CO. (SEC. 15, T. 15N., R. 4W.) DRILLED UNUSED ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 12 TO 8 IN, DEPTH 570 FT, SCREENED INTERVAL UNKNOWN. MP TOP OF RECORDER SHELTER SHELF, 2.33 FT ABOVE LSD.
LSD 160.00 FT NGVD.
HIGHEST WATER LEVEL 114.16 BELOW LSD, JAN. 2, 1961.
LOWEST WATER LEVEL 193.86 BELOW LSD, OCT. 1, 1967.
RECORDS AVAILABLE 1960-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 2, 1979	138.37M	DEC. 15, 1979	136.45	APR. 20, 1980	137.75	JULY 10, 1980	142.50
OCT. 5	138.87	DEC. 20	136.60	APR. 25	140.55	JULY 15	144.05
OCT. 10	138.35	DEC. 25	137.30	APR. 30	143.40	JULY 20	144.05
OCT. 15	137.85	JAN. 25, 1980	136.70	MAY 5	142.80	JULY 25	139.30
OCT. 20	139.30	FEB. 10	136.20	MAY 10	143.95	JULY 31	138.00
OCT. 25	137.95	FEB. 15	136.60	MAY 15	144.50	AUG. 5	137.50
OCT. 27	142.65J	FEB. 20	136.68M	MAY 19	144.47M	AUG. 10	137.30
OCT. 31	138.25	FEB. 29	136.70	MAY 20	144.50	AUG. 15	137.35
NOV. 5	137.90	MAR. 5	136.50	MAY 23	144.90J	AUG. 20	137.00
NOV. 10	137.20	MAR. 10	136.50	MAY 25	140.10	AUG. 25	136.95
NOV. 15	137.20	MAR. 15	136.50	MAY 31	142.50	SEP. 5	141.00
NOV. 20	136.60	MAR. 20	137.45J	JUNE 5	140.00	SEP. 7	139.60J
NOV. 25	135.70J	MAR. 25	136.40	JUNE 10	138.60	SEP. 10	144.45
NOV. 30	136.10	MAR. 31	136.00	JUNE 15	140.80	SEP. 15	145.70
DEC. 5	137.18	APR. 1	136.89M	JUNE 20	142.60	SEP. 20	146.50
DEC. 7	139.18M	APR. 5	136.60	JUNE 25	143.80	SEP. 25	146.75
DEC. 8	141.40J	APR. 10	135.80	JUNE 30	144.05	SEP. 30	145.80
DEC. 10	137.85	APR. 15	136.70	JULY 5	142.90		

See footnotes at end of table.

JACKSON PARISH

321249092190402 LOCAL WELL NUMBER: JA-1018

OWNER: CHATHAM GIRL SCOUT CAMP, (SEC. 12, T. 14N., R. 1E.) DRILLED PUBLIC-SUPPLY ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 4 IN, DEPTH 432 FT, SCREENED 412-432. MP HOLE IN TOP OF SANITARY SEAL, 1.00 FT ABOVE LSD.
LSD 195.30 FT NGVD.
HIGHEST WATER LEVEL 151.70 BELOW LSD, MAY 11, 1966,
LOWEST WATER LEVEL 174.73 BELOW LSD, JUNE 13, 1967.
RECORDS AVAILABLE 1966-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 29, 1980	161.55	MAY 30	161.85				

321128092440801 LOCAL WELL NUMBER: JA-127

OWNER: CONTINENTAL CAN CO. (SEC. 13, T. 14N., R. 4W.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 4 IN, DEPTH 367 FT, SCREENED 357-367. MP TOP OF CASING, 1.80 FT ABOVE LSD.
LSD 242.15 FT NGVD.
HIGHEST WATER LEVEL 152.05 BELOW LSD, JULY 13, 1966,
LOWEST WATER LEVEL 162.67 BELOW LSD, JULY 25, 1973.
RECORDS AVAILABLE 1966, 1971-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 7, 1979	159.20	FEB. 28, 1980	155.92	MAY 30, 1980	155.45	SEP. 4, 1980	158.67

322357092341701 LOCAL WELL NUMBER: JA-147

OWNER: U. S. GEOL. SURVEY, (SEC. 4, T. 16N., R. 2W.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN, DEPTH 703 FT, SCREENED 693-703. MP TOP OF CASING, 3.00 FT ABOVE LSD.
LSD 220.00 FT NGVD.
HIGHEST WATER LEVEL 209.06 BELOW LSD, MAY 14, 1975,
LOWEST WATER LEVEL 219.01 BELOW LSD, SEP. 3, 1980.
RECORDS AVAILABLE 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 6, 1979	217.50	APR. 2, 1980	218.10	MAY 19, 1980	218.71	JULY 28, 1980	218.52
JAN. 9, 1980	218.05	MAY 12	218.37	MAY 20	218.71	SEP. 3	219.01
FEB. 22	218.60						

321338092345801 LOCAL WELL NUMBER: JA-148

OWNER: U. S. GEOL. SURVEY, (SEC. 4, T. 14N., R. 2W.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN, DEPTH 578 FT, SCREENED 568-578. MP TOP OF BUSHING, 3.30 FT ABOVE LSD.
LSD 245.00 FT NGVD.
HIGHEST WATER LEVEL 206.58 BELOW LSD, APR. 7, 1976,
LOWEST WATER LEVEL 211.28 BELOW LSD, SEP. 5, 1980.
RECORDS AVAILABLE 1975-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 6, 1979	209.20	MAR. 3, 1980	209.19	MAY 6, 1980	208.70	JULY 28, 1980	210.16
JAN. 11, 1980	209.75	APR. 2	208.72	MAY 19	208.64	SEP. 5	211.28

322433092412101 LOCAL WELL NUMBER: JA-149

OWNER: U. S. GEOL. SURVEY, (SEC. 4, T. 16N., R. 3W.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN, DEPTH 478 FT, SCREENED 468-478. MP TOP OF CASING, 3.20 FT ABOVE LSD.
LSD 195.00 FT NGVD.
HIGHEST WATER LEVEL 154.78 BELOW LSD, MAY 13, 1975,
LOWEST WATER LEVEL 165.13 BELOW LSD, SEP. 3, 1980.
RECORDS AVAILABLE 1975-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 6, 1979	161.42	FEB. 22, 1980	163.00	MAY 6, 1980	162.82	JULY 29, 1980	164.36
JAN. 10, 1980	163.06	APR. 3	163.04	MAY 21	163.00	SEP. 3	165.13

JACKSON PARISH

321730092373701 LOCAL WELL NUMBER: JA-156

OWNER: U. S. GEOL. SURVEY, (SEC. 13, T. 15N., R. 3W.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN, DEPTH 629 FT, SCREENED 619-629. MP TOP OF BUSHING, 4.00 FT ABOVE LSD.
LSD 290.00 FT NGVD.
HIGHEST WATER LEVEL 250.90 BELOW LSD, MAY 19, 1980.
LOWEST WATER LEVEL 254.42 BELOW LSD, SEP. 3, 1980.
RECORDS AVAILABLE 1979-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 6, 1979	252.00	FEB. 22, 1980	252.05	MAY 8, 1980	250.98	JULY 28, 1980	251.19
JAN. 10, 1980	252.05	APR. 2	252.03	MAY 19	250.90	SEP. 3	254.42

LA SALLE PARISH

314153092075201 LOCAL WELL NUMBER: LA-157

OWNER: U. S. GEOL. SURVEY, (SEC. 2, T. 8N., R. 3E.) BORED OBSERVATION WATER-TABLE WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/2 IN, DEPTH 88 FT, SCREENED 85-88. MP TOP OF CASING, 3.50 FT ABOVE LSD.
LSD 211.90 FT NGVD.
HIGHEST WATER LEVEL 53.33 BELOW LSD, JUNE 29, 1976.
LOWEST WATER LEVEL 59.27 BELOW LSD, OCT. 11, 1972.
RECORDS AVAILABLE 1969-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 26, 1979	58.34	MAR. 7, 1980	57.22	MAY 29, 1980	56.21	SEP. 8, 1980	57.32

313610092052601 LOCAL WELL NUMBER: LA-215

OWNER: U. S. GEOL. SURVEY, (SEC. 8, T. 7N., R. 4E.) BORED OBSERVATION WATER-TABLE WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN, DEPTH 88 FT, SCREENED 83-88. MP TOP OF CASING, 2.50 FT ABOVE LSD.
LSD 85.00 FT NGVD.
HIGHEST WATER LEVEL 45.59 BELOW LSD, JULY 16, 1975.
LOWEST WATER LEVEL 57.84 BELOW LSD, NOV. 10, 1972.
RECORDS AVAILABLE 1972-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 26, 1979	53.21	MAR. 7, 1980	52.20	MAY 29, 1980	49.28	SEP. 8, 1980	53.73

313610092052602 LOCAL WELL NUMBER: LA-217

OWNER: U. S. GEOL. SURVEY, (SEC. 8, T. 7N., R. 4E.) BORED OBSERVATION WATER-TABLE WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN, DEPTH 60 FT, SCREENED 57-60. MP TOP OF CASING, 2.20 FT ABOVE LSD.
LSD 85.00 FT NGVD.
HIGHEST WATER LEVEL 37.23 BELOW LSD, JULY 16, 1975.
LOWEST WATER LEVEL 49.33 BELOW LSD, FEB. 21, 1973.
RECORDS AVAILABLE 1973-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 29, 1979	40.23	MAR. 7, 1980	39.80	MAY 29, 1980	38.63	SEP. 8, 1980	40.02

313610092052603 LOCAL WELL NUMBER: LA-218

OWNER: U. S. GEOL. SURVEY, (SEC. 8, T. 7N., R. 4E.) BORED OBSERVATION WATER-TABLE WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN, DEPTH 74 FT, SCREENED 71-74. MP TOP OF CASING, 2.20 FT ABOVE LSD.
LSD 85.00 FT NGVD.
HIGHEST WATER LEVEL 45.68 BELOW LSD, JULY 16, 1975.
LOWEST WATER LEVEL 56.72 BELOW LSD, DEC. 7, 1978.
RECORDS AVAILABLE 1973-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 26, 1979	53.29	MAR. 7, 1980	52.25	MAY 29, 1980	49.33	SEP. 8, 1980	53.80

LA SALLE PARISH

314500092171004 LOCAL WELL NUMBER: LA-252D

OWNER: U. S. GEOL. SURVEY, (SEC. 20, T. 9N., R. 2E.) DRILLED OBSERVATION ARTESIAN WELL IN SAND OF MIOCENE AGE, DIAM 4 IN, DEPTH 1388 FT, SCREENED 1378-1388, MP TOP OF BUSHING, 4.70 FT ABOVE LSD.
LSD 195.00 FT NGVD.
HIGHEST WATER LEVEL 35.96 BELOW LSD, JUNE 2, 1980.
LOWEST WATER LEVEL 36.60 BELOW LSD, APR. 22, 1980.
RECORDS AVAILABLE CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
APR. 22, 1980	36.60	JUNE 2, 1980	35.96	JULY 16, 1980	36.05	SEP. 8, 1980	36.22

LINCOLN PARISH

323132092385901 LOCAL WELL NUMBER: L-25

OWNER: LA. TECH UNIVERSITY, (SEC. 23, T. 18N., R. 3W.) DRILLED UNUSED ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 12 IN, DEPTH 680 FT, SCREENED INTERVAL UNKNOWN, MP TOP OF 1-IN COLLAR, 0.80 FT ABOVE LSD (SINCE 5/21/80).
LSD 300.00 FT NGVD.
HIGHEST WATER LEVEL 250.25 BELOW LSD, AUG. 8, 1961.
LOWEST WATER LEVEL 327.00 BELOW LSD, AUG. 5, 1978.
RECORDS AVAILABLE 1961, 1966-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAY 21, 1980	301.78	JULY 28	302.92	SEP. 4, 1980	307.08		

324141092390501 LOCAL WELL NUMBER: L-26

OWNER: TOWN OF DUBACH, (SEC. 26, T. 20N., R. 3W.) DRILLED UNUSED ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 10 TO 6 IN, DEPTH 686 FT, SCREENED 633-686, MP TOP OF 3/4-IN HOLE IN PLATE, 2.00 FT ABOVE LSD.
LSD 155.00 FT NGVD.
HIGHEST WATER LEVEL 95.20 BELOW LSD, APR. 22, 1950.
LOWEST WATER LEVEL 152.32 BELOW LSD, SEP. 4, 1980.
RECORDS AVAILABLE 1950, 1962, 1967-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 27, 1980	151.70	MAY 20	151.89	SEP. 4, 1980	152.32		

323458092275101 LOCAL WELL NUMBER: L-68

OWNER: U. S. GEOL. SURVEY, (SEC. 3, T. 18N., R. 1W.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN, DEPTH 770 FT, SCREENED 760-770, MP TOP OF 2 X 3/4-IN BUSHING, 5.14 FT ABOVE LSD.
LSD 180.00 FT NGVD.
HIGHEST WATER LEVEL 185.04 BELOW LSD, MAR. 2, 1970.
LOWEST WATER LEVEL 215.90 BELOW LSD, SEP. 4, 1980.
RECORDS AVAILABLE 1968-71, 1973-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 27, 1980	213.10	MAY 21	212.56	SEP. 4, 1980	215.90		

323013092482001 LOCAL WELL NUMBER: L-113

OWNER: U. S. GEOL. SURVEY, (SEC. 32, T. 18N., R. 4W.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 4 IN, DEPTH 750 FT, SCREENED 740-750, MP TOP OF CASING, 1.30 FT ABOVE LSD.
LSD 355.00 FT NGVD.
HIGHEST WATER LEVEL 266.50 BELOW LSD, AUG. 11, 1969.
LOWEST WATER LEVEL 296.27 BELOW LSD, AUG. 28, 1980.
RECORDS AVAILABLE 1969-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 3, 1980	291.53	MAY 21	290.26	AUG. 28, 1980	296.27		

LINCOLN PARISH

323105092374802 LOCAL WELL NUMBER: L-123

OWNER: U. S. GEOL. SURVEY. (SEC. 25, T. 18N., R. 3W.) DRILLED OBSERVATION ARTESIAN WELL IN THE COOK MOUNTAIN FM. OF EOCENE AGE, DIAM 2 IN, DEPTH 180 FT, SCREENED 170-180. MP TOP OF CASING, 3.00 FT ABOVE LSD.
LSD 330.00 FT NGVD.
HIGHEST WATER LEVEL 126.97 BELOW LSD, SEP. 4, 1974,
LOWEST WATER LEVEL 129.55 BELOW LSD, OCT. 7, 1970.
RECORDS AVAILABLE 1970-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAY 20, 1980	127.00	SEP. 4	128.43				

324018092482201 LOCAL WELL NUMBER: L-153

OWNER: U. S. GEOL. SURVEY. (SEC. 5, T. 19N., R. 4W.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN, DEPTH 535 FT, SCREENED 525-535. MP TOP OF BUSHING, 3.50 FT ABOVE LSD.
LSD 280.00 FT NGVD.
HIGHEST WATER LEVEL 212.99 BELOW LSD, JAN. 29, 1979,
LOWEST WATER LEVEL 217.81 BELOW LSD, SEP. 4, 1980.
RECORDS AVAILABLE 1978-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 6, 1979	215.08	FEB. 29, 1980	215.25	MAY 12, 1980	215.04	JULY 30, 1980	216.37
DEC. 27	214.96	APR. 2	214.94	MAY 20	214.86	SEP. 4	217.81

MADISON PARISH

322245091073001 LOCAL WELL NUMBER: MA-10

OWNER: ILLINOIS CENTRAL GULF RAILROAD CO. (SEC. 10, T. 16N., R. 13E.) DRILLED UNUSED SEMIARTESIAN WELL IN THE MISSISSIPPI RIVER ALLUVIAL AQUIFER OF PLEISTOCENE AGE, DIAM 8 IN, DEPTH 85 FT, SCREENED 75-85. MP TOP OF CASING, 0.50 FT ABOVE LSD.
LSD 80.00 FT NGVD.
HIGHEST WATER LEVEL 3.40 BELOW LSD, MAY 4, 1958,
LOWEST WATER LEVEL 17.37 BELOW LSD, AUG. 12, 1957.
RECORDS AVAILABLE 1953-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 3, 1979	8.28	FEB. 20, 1980	6.40	JUNE 24, 1980	7.66	AUG. 28, 1980	10.69

MOREHOUSE PARISH

324626091543901 LOCAL WELL NUMBER: MO-5

OWNER: INTERNATIONAL PAPER CO. (SEC. 25, T. 21N., R. 5E.) DRILLED UNUSED ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 10 IN, DEPTH 860 FT, SCREENED INTERVAL UNKNOWN. MP FLOOR OF RECORDER SHELTER, 1.60 FT ABOVE LSD.
LSD 117.44 FT NGVD.
HIGHEST WATER LEVEL 143.85 BELOW LSD, DEC. 22, 1958,
LOWEST WATER LEVEL 219.40 BELOW LSD, SEP. 30, 1975.
RECORDS AVAILABLE 1955-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 1, 1979	195.16H	DEC. 31, 1979	192.16	APR. 5, 1980	193.91	JULY 6, 1980	172.14J
OCT. 5	196.10	JAN. 5, 1980	192.71	APR. 7	192.97H	JULY 10	195.78
OCT. 8	198.41J	JAN. 10	198.19J	APR. 10	192.16	JULY 15	198.26
OCT. 10	194.90	JAN. 15	191.65	APR. 12	191.93J	JULY 20	200.95
OCT. 15	196.19	JAN. 20	196.88	APR. 15	194.76	JULY 25	200.33
OCT. 20	191.84	JAN. 25	195.16	APR. 20	196.68	JULY 31	197.97
OCT. 25	192.43	JAN. 31	195.33	APR. 25	190.77	AUG. 4	201.35H
OCT. 31	193.98	FEB. 5	193.46	APR. 30	194.12	AUG. 5	202.01
NOV. 2	190.89J	FEB. 9	188.68J	MAY 5	194.56	AUG. 10	202.82
NOV. 5	193.55	FEB. 10	192.56	MAY 10	198.78J	AUG. 15	202.80
NOV. 8	194.90H	FEB. 15	191.91	MAY 15	195.03	AUG. 20	203.09
NOV. 10	193.75	FEB. 20	192.27	MAY 18	191.96J	AUG. 25	201.17
NOV. 15	193.77	FEB. 21	191.15J	MAY 20	195.50H	AUG. 31	199.09J
NOV. 20	194.75	FEB. 25	191.92	MAY 25	196.89	SEP. 2	202.19H
NOV. 25	198.46	FEB. 28	196.88H	MAY 31	194.99	SEP. 5	203.88
NOV. 30	197.33	FEB. 29	197.33	JUNE 5	198.80	SEP. 8	204.26J
DEC. 2	200.15J	MAR. 2	199.71J	JUNE 9	200.75J	SEP. 10	201.64
DEC. 5	194.46	MAR. 5	197.54	JUNE 10	196.54	SEP. 15	201.54
DEC. 10	198.91	MAR. 10	198.30	JUNE 15	195.40	SEP. 20	203.88
DEC. 15	191.57	MAR. 15	197.46	JUNE 20	196.20	SEP. 24	199.91J
DEC. 20	198.94	MAR. 20	198.63	JUNE 25	197.69	SEP. 25	202.55
DEC. 25	169.46	MAR. 25	198.04	JUNE 30	199.12	SEP. 30	202.26
DEC. 27	165.89J	MAR. 31	197.39	JULY 5	176.09		

324704091543801 LOCAL WELL NUMBER: MO-15

OWNER: INTERNATIONAL PAPER CO. (SEC. 25, T. 21N., R. 5E.) DRILLED UNUSED WATER-TABLE WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 26 TO 16 IN, DEPTH 105 FT, SCREENED INTERVAL UNKNOWN. MP TOP OF STEEL BASE PLATE, 1.00 FT ABOVE LSD.
LSD 143.72 FT NGVD.
HIGHEST WATER LEVEL 74.83 BELOW LSD, APR. 29, 1953,
LOWEST WATER LEVEL 99.55 BELOW LSD, DEC. 17, 1974.
RECORDS AVAILABLE 1945-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 20, 1980	88.95	SEP. 2	89.80				

323806091838401 LOCAL WELL NUMBER: MO-67

OWNER: D. W. PIPES. (SEC. 17, T. 19N., R. 6E.) DRILLED UNUSED WATER-TABLE WELL IN THE ALLUVIAL AQUIFER OF PLEISTOCENE AGE, DIAM 3 IN, DEPTH 81 FT, SCREENED 71-81. MP TOP OF CASING, 7.90 FT ABOVE LSD.
LSD 73.51 FT NGVD.
HIGHEST WATER LEVEL 1.59 BELOW LSD, DEC. 19, 1961,
LOWEST WATER LEVEL 21.46 BELOW LSD, SEP. 2, 1980.
RECORDS AVAILABLE 1953-77, 1979-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAY 20, 1980	3.26	SEP. 2	21.46				

325925091513001 LOCAL WELL NUMBER: MO-283

OWNER: GEORGIA-PACIFIC CORP. (SEC. 9, T. 23N., R. 6E.) DRILLED UNUSED WATER-TABLE WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 4 1/2 IN, DEPTH 135 FT, SCREENED 125-135. MP 1-IN HOLE IN TOP OF WELL CAP, 3.90 FT ABOVE LSD.
LSD 163.26 FT NGVD.
HIGHEST WATER LEVEL 71.39 BELOW LSD, FEB. 23, 1961,
LOWEST WATER LEVEL 74.74 BELOW LSD, SEP. 19, 1980.
RECORDS AVAILABLE 1960-63, 1966-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAY 20, 1980	74.49	SEP. 19	74.74				

See footnotes at end of table.

324622091511301 LOCAL WELL NUMBER: MO-334

OWNER: U. S. GEOL. SURVEY. (SEC. 28, T. 21N., R. 6E.) BORED OBSERVATION WATER-TABLE WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN, DEPTH 100 FT, SCREENED 97-100. MP TOP OF CASING, 3.00 FT ABOVE LSD.
LSD 147.58 FT NGVD.
HIGHEST WATER LEVEL 69.45 BELOW LSD, FEB. 20, 1968,
LOWEST WATER LEVEL 72.00 BELOW LSD, NOV. 14, 1974.
RECORDS AVAILABLE 1967-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAY 20, 1980	70.86	SEP. 2	71.75				

324753091471201 LOCAL WELL NUMBER: MO-342

OWNER: U. S. GEOL. SURVEY. (SEC. 19, T. 21N., R. 7E.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN, DEPTH 620 FT, SCREENED 610-620. MP TOP OF CASING, 3.40 FT ABOVE LSD.
LSD 88.34 FT NGVD.
HIGHEST WATER LEVEL 91.63 BELOW LSD, JULY 31, 1968,
LOWEST WATER LEVEL 102.46 BELOW LSD, SEP. 2, 1980.
RECORDS AVAILABLE 1968-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAY 20, 1980	93.78	SEP. 2	102.46				

324753091471202 LOCAL WELL NUMBER: MO-343

OWNER: U. S. GEOL. SURVEY. (SEC. 19, T. 21N., R. 7E.) DRILLED OBSERVATION ARTESIAN WELL IN THE COCKFIELD FM. OF EOCENE AGE, DIAM 2 IN, DEPTH 176 FT, SCREENED 166-176. MP TOP OF CASING, 4.00 FT ABOVE LSD.
LSD 88.41 FT NGVD.
HIGHEST WATER LEVEL 0.50 BELOW LSD, MAY 13, 1975,
LOWEST WATER LEVEL 11.76 BELOW LSD, SEP. 2, 1980.
RECORDS AVAILABLE 1968-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP. 2, 1980	11.76						

325810091384001 LOCAL WELL NUMBER: MO-344

OWNER: U. S. GEOL. SURVEY. (SEC. 21, T. 23N., R. 8E.) DRILLED OBSERVATION ARTESIAN WELL IN THE COCKFIELD FM. OF EOCENE AGE, DIAM 2 IN, DEPTH 258 FT, SCREENED 248-258. MP TOP OF CASING, 3.60 FT ABOVE LSD.
LSD 106.35 FT NGVD.
HIGHEST WATER LEVEL 14.96 BELOW LSD, APR. 30, 1969,
LOWEST WATER LEVEL 35.04 BELOW LSD, SEP. 26, 1979.
RECORDS AVAILABLE 1968-70, 1972-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAY 20, 1980	27.64	SEP. 4	29.05				

325526091530501 LOCAL WELL NUMBER: MO-345

OWNER: U. S. GEOL. SURVEY. (SEC. 5, T. 22N., R. 6E.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN, DEPTH 786 FT, SCREENED 776-786. MP TOP OF CASING, 4.90 FT ABOVE LSD.
LSD 113.65 FT NGVD.
HIGHEST WATER LEVEL 100.76 BELOW LSD, JULY 16, 1968,
LOWEST WATER LEVEL 112.20 BELOW LSD, SEP. 19, 1980.
RECORDS AVAILABLE 1968-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAY 20, 1980	109.65	SEP. 19	112.20				

MOREHOUSE PARISH

325810091384002 LOCAL WELL NUMBER: MO-346

OWNER: U. S. GEOL. SURVEY. (SEC. 21, T. 23N., R. 8E.) DRILLED OBSERVATION ARTESIAN WELL IN THE COCKFIELD FM. OF EOCENE AGE, DIAM 2 IN, DEPTH 167 FT, SCREENED 157-167. MP TOP OF CASING, 3.60 FT ABOVE LSD.
LSD 106.57 FT NGVD.
HIGHEST WATER LEVEL 15.47 BELOW LSD, APR. 30, 1969.
LOWEST WATER LEVEL 30.74 BELOW LSD, AUG. 22, 1972.
RECORDS AVAILABLE 1968-70, 1972-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAY 20, 1980	18.25	SEP. 4	24.25				

324352091531001 LOCAL WELL NUMBER: MO-347

OWNER: U. S. GEOL. SURVEY. (SEC. 7, T. 20N., R. 6E.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN, DEPTH 833 FT, SCREENED 823-833. MP TOP OF BUSHING, 3.67 FT ABOVE LSD.
LSD 142.27 FT NGVD.
HIGHEST WATER LEVEL 181.30 BELOW LSD, MAY 13, 1975.
LOWEST WATER LEVEL 193.69 BELOW LSD, SEP. 2, 1980.
RECORDS AVAILABLE 1968-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAY 20, 1980	188.89	SEP. 2	193.69				

325518091403001 LOCAL WELL NUMBER: MO-348

OWNER: U. S. GEOL. SURVEY. (SEC. 5, T. 22N., R. 8E.) DRILLED OBSERVATION ARTESIAN WELL IN THE COCKFIELD FM. OF EOCENE AGE, DIAM 2 IN, DEPTH 311 FT, SCREENED 291-311. MP TOP OF CASING, 4.20 FT ABOVE LSD.
LSD 98.88 FT NGVD.
HIGHEST WATER LEVEL 9.63 BELOW LSD, MAR. 26, 1969.
LOWEST WATER LEVEL 18.22 BELOW LSD, SEP. 4, 1980.
RECORDS AVAILABLE 1968-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAY 20, 1980	15.10	SEP. 4	18.22				

324352091531002 LOCAL WELL NUMBER: MO-349

OWNER: U. S. GEOL. SURVEY. (SEC. 7, T. 20N., R. 6E.) DRILLED OBSERVATION ARTESIAN WELL IN THE COCKFIELD FM. OF EOCENE AGE, DIAM 2 IN, DEPTH 217 FT, SCREENED 197-217. MP TOP OF BUSHING, 3.93 FT ABOVE LSD.
LSD 142.46 FT NGVD.
HIGHEST WATER LEVEL 67.45 BELOW LSD, JULY 10, 1969.
LOWEST WATER LEVEL 71.09 BELOW LSD, SEP. 8, 1975.
RECORDS AVAILABLE 1968-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAY 20, 1980	69.74	SEP. 2	69.17				

325707091574701 LOCAL WELL NUMBER: MO-350

OWNER: U. S. GEOL. SURVEY. (SEC. 28, T. 23N., R. 5E.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN, DEPTH 740 FT, SCREENED 730-740. MP TOP OF CASING, 3.40 FT ABOVE LSD.
LSD 112.08 FT NGVD.
HIGHEST WATER LEVEL 95.50 BELOW LSD, MAR. 10, 1969.
LOWEST WATER LEVEL 107.93 BELOW LSD, SEP. 19, 1980.
RECORDS AVAILABLE 1968-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAY 20, 1980	105.30	SEP. 19	107.93				

MOREHOUSE PARISH

324352091531003 LOCAL WELL NUMBER: MO-351

OWNER: U. S. GEOL. SURVEY. (SEC. 7, T. 20N., R. 6E.) DRILLED OBSERVATION ARTESIAN WELL IN THE COOK MOUNTAIN FM. OF EOCENE AGE, DIAM 2 IN, DEPTH 312 FT, SCREENED 292-312. MP TOP OF BUSHING, 3.71 FT ABOVE LSD.
LSD 142.23 FT NGVD.
HIGHEST WATER LEVEL 67.18 BELOW LSD, SEP. 6, 1977,
LOWEST WATER LEVEL 71.34 BELOW LSD, SEP. 25, 1979.
RECORDS AVAILABLE 1968-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAY 20, 1980	69.99	SEP. 2	71.01				

NATCHITOCHES PARISH

313918093023101 LOCAL WELL NUMBER: NA-284

OWNER: U. S. GEOL. SURVEY. (SEC. 42, T. 8N., R. 7W.) BORED OBSERVATION ARTESIAN WELL IN THE RED RIVER ALLUVIAL AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN, DEPTH 72 FT, SCREENED 69-72. MP TOP OF CASING, 1.60 FT ABOVE LSD.
LSD 102.59 FT NGVD.
HIGHEST WATER LEVEL 0.36 ABOVE LSD, AUG. 22, 1969,
LOWEST WATER LEVEL 13.71 BELOW LSD, OCT. 1, 1956.
RECORDS AVAILABLE 1956-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 5, 1979	9.34	JAN. 2, 1980	6.59	APR. 8, 1980	4.45	AUG. 5, 1980	8.70
NOV. 12	9.37	FEB. 11	4.52	MAY 13	5.43	SEP. 4	9.76
DEC. 17	6.39	MAR. 4	6.20	JUNE 12	6.17	SEP. 10	9.94
DEC. 20	6.76	MAR. 12	6.57	JULY 1	6.65		

320116093044902 LOCAL WELL NUMBER: NA-479

OWNER: U. S. GEOL. SURVEY. (SEC. 15, T. 12N., R. 7W.) BORED OBSERVATION ARTESIAN WELL IN THE WILCOX GROUP OF PALEOCENE-EOCENE AGE, DIAM 1 1/4 IN, DEPTH 106 FT, SCREENED 103-106. MP TOP OF BUSHING, 3.00 FT ABOVE LSD.
LSD 210.00 FT NGVD.
HIGHEST WATER LEVEL 57.46 BELOW LSD, MAY 15, 1980,
LOWEST WATER LEVEL 59.49 BELOW LSD, SEP. 4, 1980.
RECORDS AVAILABLE CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
APR. 9, 1980	57.72	JUNE 27, 1980	57.58	JULY 31, 1980	58.00	SEP. 4, 1980	59.49
MAY 15	57.46						

OUACHITA PARISH

323837092021702 LOCAL WELL NUMBER: OU-24

OWNER: SOUTHERN CARBON CO. (SEC. 37, T. 19N., R. 4E.) DRILLED UNUSED ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 6 IN, DEPTH 688 FT, SCREENED 540-688. MP TOP INSIDE EDGE OF 1/2-IN NIPPLE, 5.27 FT ABOVE LSD.
LSD 85.00 FT NGVD.
HIGHEST WATER LEVEL 119.70 BELOW LSD, MAR. 17, 1964,
LOWEST WATER LEVEL 136.21 BELOW LSD, SEP. 26, 1980.
RECORDS AVAILABLE 1964-70, 1970-78, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 13, 1980	133.13	FEB. 22, 1980	133.03	MAY 20, 1980	133.39	SEP. 26, 1980	136.21

OUACHITA PARISH

322901092091501 LOCAL WELL NUMBER: OU-77

OWNER: MANVILLE FOREST PRODUCTS. (SEC. 3, T. 17N., R. 3E.) DRILLED UNUSED ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 16 IN, DEPTH 851 FT, SCREENED INTERVAL UNKNOWN. MP FLOOR OF RECORDER SHELTER, 2.40 FT ABOVE LSD.
LSD 75.90 FT NGVD.
HIGHEST WATER LEVEL 168.82 BELOW LSD, JULY 7, 1952.
LOWEST WATER LEVEL 276.75 BELOW LSD, AUG. 28, 1978.
RECORDS AVAILABLE 1946-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 1, 1979	265.86H	NOV. 30, 1979	265.57	JAN. 20, 1980	251.72	MAR. 15, 1980	250.78
OCT. 4	262.12J	DEC. 5	263.40	JAN. 25	256.88	MAR. 20	257.85
OCT. 5	267.00	DEC. 10	266.24	JAN. 30	263.78J	MAR. 25	256.04
OCT. 10	268.42	DEC. 15	267.67	JAN. 31	257.80	MAR. 28	261.90J
OCT. 15	264.03	DEC. 16	268.10J	FEB. 5	256.88	MAR. 31	256.90
OCT. 20	268.57	DEC. 20	265.93	FEB. 10	241.98	APR. 4	256.68H
OCT. 25	265.08	DEC. 25	237.21	FEB. 15	253.98	APR. 5	254.66
OCT. 31	267.35	DEC. 28	232.66J	FEB. 20	253.77	APR. 10	259.86
NOV. 5	269.68	DEC. 31	234.58	FEB. 25	256.84	APR. 10	257.82
NOV. 6	269.99J	JAN. 1, 1980	233.32J	FEB. 27	254.73H	APR. 18	261.89J
NOV. 10	268.57	JAN. 5	250.35	FEB. 29	239.85J	APR. 20	258.21
NOV. 15	260.59	JAN. 10	253.62	MAR. 5	249.54	APR. 25	254.09
NOV. 20	266.77	JAN. 15	239.33	MAR. 10	256.82	APR. 30	251.36
NOV. 25	255.64						

322649092063101 LOCAL WELL NUMBER: OU-88

OWNER: FRED PETERS. (SEC. 24, T. 17N., R. 3E.) DRILLED UNUSED ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 6 TO 4 IN, DEPTH 401 FT, SCREENED 335-401. MP TOP OF CASING, 2.40 FT ABOVE LSD.
LSD 75.00 FT NGVD.
HIGHEST WATER LEVEL 42.83 BELOW LSD, JAN. 17, 1946.
LOWEST WATER LEVEL 103.28 BELOW LSD, SEP. 10, 1976.
RECORDS AVAILABLE 1946-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 13, 1980	97.30	MAY 22	97.39	SEP. 26, 1980	100.07		

323044092035701 LOCAL WELL NUMBER: OU-96

OWNER: CITY OF MONROE. (IRREG. SEC. 38, T. 18N., R. 4E.) DRILLED UNUSED ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 12 IN, DEPTH 364 FT, SCREENED 294-364. MP TOP OF BREATHER HOLE IN PUMP BASE, 3.00 FT ABOVE LSD.
LSD 74.06 FT NGVD.
HIGHEST WATER LEVEL 65.04 BELOW LSD, MAR. 5, 1946.
LOWEST WATER LEVEL 148.80 BELOW LSD, SEP. 21, 1979.
RECORDS AVAILABLE 1946, 1948-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 4, 1979	145.50	FEB. 13, 1980	145.74	APR. 4, 1980	145.00	AUG. 15, 1980	146.14

323136091592801 LOCAL WELL NUMBER: OU-151

OWNER: U. S. CORPS OF ENGINEERS. (SEC. 19, T. 18N., R. 5E.) DRILLED OBSERVATION SEMIARTESIAN WELL IN THE OUACHITA ALLUVIAL AQUIFER OF PLEISTOCENE AGE, DIAM 3 IN, DEPTH 68 FT, SCREENED 58-68. MP TOP OF 3 X 2-IN REDUCER, 4.80 FT ABOVE LSD.
LSD 72.42 FT NGVD.
HIGHEST WATER LEVEL 3.77 BELOW LSD, MAR. 19, 1975.
LOWEST WATER LEVEL 23.63 BELOW LSD, SEP. 22, 1954.
RECORDS AVAILABLE 1953-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 4, 1979	13.10	FEB. 13, 1980	8.22	AUG. 29, 1980	13.68		

See footnotes at end of table.

321653092015601 LOCAL WELL NUMBER: OU-241

OWNER: U. S. GEOL. SURVEY. (SEC. 14, T. 15N., R. 4E.) BORED OBSERVATION SEMIARTESIAN WELL IN THE OUACHITA RIVER ALLUVIAL AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN, DEPTH 70 FT, SCREENED 67-70. MP TOP OF CASING, 4.80 FT ABOVE LSD.
LSD 61.52 FT NGVD.
HIGHEST WATER LEVEL 12.78 BELOW LSD, JAN. 17, 1968.
LOWEST WATER LEVEL 26.99 BELOW LSD, SEP. 29, 1978.
RECORDS AVAILABLE 1963-70, 1972-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
AUG. 29, 1980	22.10						

321713092034401 LOCAL WELL NUMBER: OU-243

OWNER: U. S. GEOL. SURVEY. (SEC. 16, T. 15N., R. 4E.) BORED OBSERVATION SEMIARTESIAN WELL IN THE OUACHITA RIVER ALLUVIAL AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN, DEPTH 62 FT, SCREENED 59-62. MP TOP OF CASING, 3.50 FT ABOVE LSD.
LSD 61.83 FT NGVD.
HIGHEST WATER LEVEL 8.54 BELOW LSD, SEP. 3, 1975.
LOWEST WATER LEVEL 23.60 BELOW LSD, NOV. 27, 1963.
RECORDS AVAILABLE 1963-70, 1972-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
AUG. 29, 1980	11.60						

322422092020701 LOCAL WELL NUMBER: OU-401A

OWNER: U. S. GEOL. SURVEY. (SEC. 2, T. 16N., R. 4E.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN, DEPTH 397 FT, SCREENED 389-397. MP TOP OF CASING, 3.89 FT ABOVE LSD.
LSD 62.28 FT NGVD.
HIGHEST WATER LEVEL 70.11 BELOW LSD, APR. 27, 1967.
LOWEST WATER LEVEL 99.96 BELOW LSD, SEP. 26, 1980.
RECORDS AVAILABLE 1965-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 12, 1980	96.53	MAY 22	92.24	SEP. 26, 1980	99.96		

321714092041401 LOCAL WELL NUMBER: OU-402

OWNER: U. S. GEOL. SURVEY. (SEC. 16, T. 15N., R. 4E.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN, DEPTH 750 FT, SCREENED 740-750. MP TOP OF CASING, 3.68 FT ABOVE LSD.
LSD 63.30 FT NGVD.
HIGHEST WATER LEVEL 37.01 BELOW LSD, JULY 5, 1965.
LOWEST WATER LEVEL 48.22 BELOW LSD, SEP. 29, 1980.
RECORDS AVAILABLE 1965-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 12, 1980	47.60	MAY 22	45.16	SEP. 29, 1980	48.22		

321714092041402 LOCAL WELL NUMBER: OU-403

OWNER: U. S. GEOL. SURVEY. (SEC. 16, T. 15N., R. 4E.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN, DEPTH 460 FT, SCREENED 453-460. MP TOP OF CASING, 4.04 FT ABOVE LSD.
LSD 63.30 FT NGVD.
HIGHEST WATER LEVEL 40.71 BELOW LSD, SEP. 13, 1967.
LOWEST WATER LEVEL 55.62 BELOW LSD, AUG. 29, 1980.
RECORDS AVAILABLE 1965-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 3, 1979	52.66	FEB. 13, 1980	53.43	MAY 22, 1980	52.67	AUG. 29, 1980	55.62

323030091554801 LOCAL WELL NUMBER: OU-404

OWNER: U. S. GEOL. SURVEY, (SEC. 35, T. 18N., R. 5E.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN, DEPTH 685 FT, SCREENED 678-685. MP TOP OF CASING, 4.77 FT ABOVE LSD.
LSD 60.89 FT NGVD.
HIGHEST WATER LEVEL 62.27 BELOW LSD, AUG. 7, 1968,
LOWEST WATER LEVEL 78.93 BELOW LSD, DEC. 3, 1979.
RECORDS AVAILABLE 1965-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 3, 1979	78.93	FEB. 13, 1980	78.36	MAY 19, 1980	77.63		

322531092053901 LOCAL WELL NUMBER: OU-405

OWNER: U. S. GEOL. SURVEY, (SEC. 30, T. 17N., R. 4E.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN, DEPTH 775 FT, SCREENED 770-775. MP TOP OF CASING, 3.78 FT ABOVE LSD.
LSD 66.66 FT NGVD.
HIGHEST WATER LEVEL 91.89 BELOW LSD, JULY 19, 1968,
LOWEST WATER LEVEL 116.37 BELOW LSD, SEP. 26, 1980.
RECORDS AVAILABLE 1965-71, 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 12, 1980	113.75	MAY 22	113.12	SEP. 26, 1980	116.37		

322531092053902 LOCAL WELL NUMBER: OU-406

OWNER: U. S. GEOL. SURVEY, (SEC. 30, T. 17N., R. 4E.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN, DEPTH 681 FT, SCREENED 676-681. MP TOP OF CASING, 3.66 FT ABOVE LSD.
LSD 66.75 FT NGVD.
HIGHEST WATER LEVEL 115.06 BELOW LSD, JAN. 17, 1968,
LOWEST WATER LEVEL 141.86 BELOW LSD, SEP. 26, 1980.
RECORDS AVAILABLE 1965-71, 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 12, 1980	139.92	MAY 22	138.77	SEP. 26, 1980	141.86		

323100092165801 LOCAL WELL NUMBER: OU-443

OWNER: U. S. GEOL. SURVEY, (SEC. 29, T. 18N., R. 2E.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN, DEPTH 860 FT, SCREENED 850-860. MP TOP OF CASING, 3.22 FT ABOVE LSD.
LSD 118.00 FT NGVD.
HIGHEST WATER LEVEL 168.40 BELOW LSD, AUG. 20, 1969,
LOWEST WATER LEVEL 194.91 BELOW LSD, SEP. 24, 1980.
RECORDS AVAILABLE 1965-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 12, 1980	191.16	MAY 19	190.27	SEP. 24, 1980	194.91		

323100092165802 LOCAL WELL NUMBER: OU-444

OWNER: U. S. GEOL. SURVEY, (SEC. 29, T. 18N., R. 2E.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN, DEPTH 670 FT, SCREENED 660-670. MP TOP OF CASING, 3.60 FT ABOVE LSD.
LSD 118.00 FT NGVD.
HIGHEST WATER LEVEL 171.15 BELOW LSD, AUG. 20, 1969,
LOWEST WATER LEVEL 198.41 BELOW LSD, SEP. 24, 1980.
RECORDS AVAILABLE 1969-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 12, 1980	194.23	FEB. 27, 1980	194.10	MAY 19, 1980	193.36	SEP. 24, 1980	198.41

OUACHITA PARISH

323100092165803 LOCAL WELL NUMBER: OU-445

OWNER: U. S. GEOL. SURVEY. (SEC. 29, T. 18N., R. 2E.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN, DEPTH 454 FT, SCREENED 444-454. MP TOP OF CASING, 3.66 FT ABOVE LSD.
LSD 118.00 FT NGVD.
HIGHEST WATER LEVEL 191.97 BELOW LSD, APR. 13, 1970.
LOWEST WATER LEVEL 225.25 BELOW LSD, SEP. 24, 1980.
RECORDS AVAILABLE 1969-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 12, 1980	216.64	MAY 19	215.32	SEP. 24, 1980	225.25		

322437092243101 LOCAL WELL NUMBER: OU-488

OWNER: U. S. GEOL. SURVEY. (SEC. 6, T. 16N., R. 1E.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN, DEPTH 795 FT, SCREENED 785-795. MP TOP OF BUSHING, 4.00 FT ABOVE LSD.
LSD 280.00 FT NGVD.
HIGHEST WATER LEVEL 300.39 BELOW LSD, APR. 18, 1979.
LOWEST WATER LEVEL 305.81 BELOW LSD, SEP. 5, 1980.
RECORDS AVAILABLE 1979-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 13, 1979	302.40	APR. 9, 1980	304.06	AUG. 13, 1980	305.15	SEP. 5, 1980	305.81
MAR. 4, 1980	303.98	MAY 19	303.78				

RAPIDES PARISH

311727092270901 LOCAL WELL NUMBER: R-18

OWNER: CITY OF ALEXANDRIA. (SEC. 7, T. 4N., R. 1W.) DRILLED UNUSED ARTESIAN WELL IN THE WILLIAMSON CREEK MEMBER OF THE FLEMING FM. OF MIOCENE AGE, DIAM 12 IN, DEPTH 406 FT, SCREENED INTERVAL UNKNOWN. MP TOP OF 1 1/4-IN NIPPLE, 1.30 FT ABOVE LSD.
LSD 78.53 FT NGVD.
HIGHEST WATER LEVEL 69.73 BELOW LSD, APR. 29, 1960.
LOWEST WATER LEVEL 179.75 BELOW LSD, OCT. 21, 1963.
RECORDS AVAILABLE 1939, 1957-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 1, 1979	108.44	JAN. 24, 1980	84.17	APR. 21, 1980	118.13	JULY 15, 1980	147.10C
DEC. 26	90.55	MAR. 3	80.63	MAY 29	125.38	SEP. 10	153.92

311922092273401 LOCAL WELL NUMBER: R-26

OWNER: MISSOURI PACIFIC RR. (SEC. 40, T. 4N., R. 1W.) DRILLED UNUSED ARTESIAN WELL IN THE CARNAHAN BAYOU MEMBER OF THE FLEMING FM. OF MIOCENE AGE, DIAM 10 IN, DEPTH APPROXIMATELY 1100 FT, SCREENED INTERVAL UNKNOWN. MP TOP OF CASING, 3.25 FT ABOVE LSD.
LSD 83.50 FT NGVD.
HIGHEST WATER LEVEL 83.29 BELOW LSD, FEB. 26, 1957.
LOWEST WATER LEVEL 168.66 BELOW LSD, AUG. 10, 1943.
RECORDS AVAILABLE 1938-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 1, 1979	99.75H	DEC. 10, 1979	98.39	MAR. 10, 1980	95.19	JULY 25, 1980	98.72
OCT. 5	99.77	DEC. 15	98.12	MAR. 15	95.14	JULY 31	98.80
OCT. 10	99.85	DEC. 20	98.05	MAR. 20	94.88	AUG. 5	99.02
OCT. 15	99.95	DEC. 25	97.98	MAR. 25	94.68	AUG. 15	99.21
OCT. 21	99.99J	DEC. 26	97.91H	MAR. 31	94.28J	AUG. 20	99.34
OCT. 25	99.96	DEC. 31	97.86	APR. 5	94.47	AUG. 25	99.49
OCT. 31	99.71J	JAN. 5, 1980	97.79	APR. 10	94.62	AUG. 31	99.58
NOV. 1	99.76H	JAN. 10	97.65	APR. 15	94.39	SEP. 5	99.71
NOV. 5	99.72	JAN. 15	97.50	APR. 20	94.76	SEP. 10	99.73
NOV. 10	99.44	JAN. 20	97.37	APR. 21	94.93H	SEP. 15	99.75
NOV. 15	99.30	JAN. 24	97.03H	APR. 25	95.05	SEP. 16	101.75J
NOV. 20	99.10	JAN. 25	96.93	MAY 29	96.16	SEP. 20	99.85
NOV. 25	98.62	JAN. 30	96.75J	JULY 15	98.25H	SEP. 25	99.88
NOV. 30	98.59	MAR. 5	95.36H	JULY 18	98.53H	SEP. 30	99.92H
DEC. 5	98.42	MAR. 6	95.41J	JULY 20	98.55		

See footnotes at end of table.

RAPIDES PARISH

305945092375001 LOCAL WELL NUMBER: R-601

OWNER: U. S. GEOL. SURVEY, (SEC. 1, T. 1S., R. 3W.) DRILLED OBSERVATION WATER-TABLE WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 4 IN, DEPTH 100 FT, SCREENED 95-100. MP TOP OF CASING, 2.00 FT ABOVE LSD.
LSD 170.40 FT NGVD.
HIGHEST WATER LEVEL 49.04 BELOW LSD, SEP. 10, 1975,
LOWEST WATER LEVEL 52.92 BELOW LSD, JAN. 7, 1972.
RECORDS AVAILABLE 1954-63, 1971-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP. 8, 1980	51.11						

310740092380201 LOCAL WELL NUMBER: R-847

OWNER: U. S. GEOL. SURVEY, (SEC. 24, T. 2N., R. 3W.) DRILLED OBSERVATION WATER-TABLE WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 4 IN, DEPTH 105 FT, SCREENED 95-105. MP TOP OF CASING COLLAR, 0.50 FT ABOVE LSD.
LSD 192.90 FT NGVD.
HIGHEST WATER LEVEL 37.57 BELOW LSD, MAY 15, 1968, MAY 20, 1968,
LOWEST WATER LEVEL 57.20 BELOW LSD, SEP. 30, 1972.
RECORDS AVAILABLE 1966-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 1, 1979	51.81H	DEC. 21, 1979	54.09H	APR. 20, 1980	49.63	JULY 5, 1980	51.72
OCT. 5	51.60	DEC. 25	53.74	APR. 23	49.63H	JULY 10	51.46H
OCT. 10	51.40	DEC. 26	55.04J	APR. 25	47.96	JULY 15	51.92
OCT. 15	51.27	DEC. 31	51.62	APR. 30	47.51	JULY 20	52.19
OCT. 20	51.20	JAN. 5, 1980	51.08	MAY 5	47.23	JULY 25	52.50
OCT. 25	51.14	JAN. 10	50.71	MAY 10	46.96	JULY 31	52.65
OCT. 31	51.07J	JAN. 15	50.51	MAY 15	46.72	AUG. 5	52.72
NOV. 1	51.07H	JAN. 20	50.34	MAY 20	46.58	AUG. 10	52.70
NOV. 5	51.06	JAN. 24	50.15H	MAY 25	46.39	AUG. 15	52.86
NOV. 7	51.04J	MAR. 3	53.23H	MAY 26	46.34J	AUG. 20	53.08
NOV. 10	54.20	MAR. 5	52.29	MAY 31	50.15	AUG. 25	53.10
NOV. 15	52.02	MAR. 10	53.78	JUNE 5	50.77H	AUG. 31	53.61J
NOV. 20	51.55	MAR. 15	54.22	JUNE 10	51.12	SEP. 5	52.41
NOV. 25	51.34	MAR. 20	54.16	JUNE 15	51.59	SEP. 10	49.90
NOV. 30	51.54	MAR. 25	54.52	JUNE 20	51.56	SEP. 15	49.33
DEC. 5	53.94	MAR. 31	54.70J	JUNE 23	52.01J	SEP. 20	49.04
DEC. 10	54.49	APR. 5	51.25	JUNE 25	51.84	SEP. 24	48.89J
DEC. 15	54.89	APR. 10	49.79	JUNE 30	51.91	SEP. 25	49.16
DEC. 19	55.35J	APR. 15	49.63J	JULY 3	50.28J	SEP. 30	49.20
DEC. 20	52.98						

310728092394201 LOCAL WELL NUMBER: R-848

OWNER: U. S. GEOL. SURVEY, (SEC. 27, T. 2N., R. 3W.) DRILLED OBSERVATION WATER-TABLE WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN, DEPTH 105 FT, SCREENED 102-105. MP TOP OF CASING, 3.00 FT ABOVE LSD.
LSD 206.80 FT NGVD.
HIGHEST WATER LEVEL 54.38 BELOW LSD, MAY 21, 1968,
LOWEST WATER LEVEL 63.83 BELOW LSD, DEC. 20, 1971.
RECORDS AVAILABLE 1966-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 31, 1979	61.14	JAN. 24, 1980	60.08	APR. 23, 1980	58.28	JULY 18, 1980	59.54
DEC. 21	60.55	MAR. 3	59.70	JUNE 5	58.94	SEP. 12	60.78

See footnotes at end of table.

310612092355301 LOCAL WELL NUMBER: R-849

OWNER: U. S. GEOL. SURVEY. (SEC. 32, T. 2N., R. 2W.) DRILLED OBSERVATION WATER-TABLE WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 4 IN, DEPTH 105 FT, SCREENED 95-105. MP TOP OF CASING, 0.50 FT ABOVE LSD.
LSD 193.09 FT NGVD.
HIGHEST WATER LEVEL 42.10 BELOW LSD, MAY 10, 1968.
LOWEST WATER LEVEL 56.14 BELOW LSD, NOV. 10, 1971.
RECORDS AVAILABLE 1966-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 1, 1979	48.00H	JAN. 5, 1980	47.12	MAR. 30, 1980	46.83	JUNE 25, 1980	46.26
OCT. 2	47.98J	JAN. 10	48.53J	APR. 5	46.40	JUNE 27	46.40H
OCT. 5	48.10	JAN. 15	46.96	APR. 10	46.35	JUNE 30	46.54
OCT. 10	48.30	JAN. 20	46.85	APR. 15	45.80	JULY 5	46.67
OCT. 15	48.45	JAN. 24	46.67H	APR. 20	44.99	JULY 10	47.05
OCT. 20	48.64	JAN. 25	46.57	APR. 23	44.78H	JULY 15	47.80
OCT. 25	48.84	JAN. 31	46.39	APR. 24	44.72J	JULY 20	47.56
OCT. 31	48.94J	FEB. 5	46.30	APR. 25	44.94	JULY 25	47.66
NOV. 1	48.94H	FEB. 10	46.19	APR. 30	45.25	JULY 31	47.78
NOV. 5	49.01	FEB. 15	45.85	MAY 5	45.48	AUG. 5	47.87
NOV. 10	49.10	FEB. 19	45.74J	MAY 10	45.68	AUG. 10	47.95
NOV. 15	49.17	FEB. 20	46.28	MAY 15	45.82	AUG. 15	47.63
NOV. 20	49.24	FEB. 25	46.81	MAY 20	45.89	AUG. 20	47.65
NOV. 25	48.96	FEB. 28	48.12J	MAY 25	45.91	AUG. 25	48.52
NOV. 30	48.76	FEB. 29	46.83	MAY 31	47.58	AUG. 31	49.17
DEC. 5	49.27	MAR. 3	47.55H	JUNE 4	48.01J	SEP. 5	49.20
DEC. 10	50.50J	MAR. 5	46.87	JUNE 5	47.85H	SEP. 10	48.25
DEC. 15	48.80	MAR. 10	47.53	JUNE 7	47.94J	SEP. 15	48.28
DEC. 20	48.28	MAR. 11	48.21J	JUNE 10	47.56	SEP. 20	49.61
DEC. 21	48.24H	MAR. 15	46.87	JUNE 15	47.52	SEP. 25	49.92
DEC. 25	48.02	MAR. 20	47.05	JUNE 20	46.01	SEP. 30	50.13J
DEC. 30	47.32	MAR. 25	47.23	JUNE 23	45.84J		

310812092415101 LOCAL WELL NUMBER: R-850

OWNER: U. S. GEOL. SURVEY. (SEC. 20, T. 2N., R. 3W.) DRILLED OBSERVATION WATER-TABLE WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN, DEPTH 113 FT, SCREENED 110-113. MP TOP OF CASING, 3.10 FT ABOVE LSD.
LSD 225.89 FT NGVD.
HIGHEST WATER LEVEL 56.93 BELOW LSD, JUNE 3, 1977,
LOWEST WATER LEVEL 62.26 BELOW LSD, OCT. 19, 1971.
RECORDS AVAILABLE 1966-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 21, 1979	58.89	MAR. 3, 1980	58.40	JUNE 5, 1980	57.61	SEP. 15, 1980	57.46

310928092421401 LOCAL WELL NUMBER: R-851

OWNER: U. S. GEOL. SURVEY. (SEC. 8, T. 2N., R. 3W.) DRILLED OBSERVATION WATER-TABLE WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN, DEPTH 131 FT, SCREENED 128-131. MP TOP OF CASING, 3.00 FT ABOVE LSD.
LSD 220.55 FT NGVD.
HIGHEST WATER LEVEL 52.48 BELOW LSD, JUNE 25, 1976, JULY 20, 1976,
LOWEST WATER LEVEL 56.79 BELOW LSD, APR. 6, 1973.
RECORDS AVAILABLE 1966-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 21, 1979	53.49	MAR. 3, 1980	53.38	SEP. 12, 1980	52.70		

311655092192101 LOCAL WELL NUMBER: R-861

OWNER: BODCAW CO. (SEC. 42, T. 4N., R. 1E.) DRILLED UNUSED ARTESIAN WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 6 IN, DEPTH 87 FT, SCREENED 76-87. MP TOP OF CASING, 1.00 FT ABOVE LSD.
LSD 128.47 FT NGVD.
HIGHEST WATER LEVEL 43.09 BELOW LSD, MAY 21, 1966,
LOWEST WATER LEVEL 45.48 BELOW LSD, JAN. 15, 1972.
RECORDS AVAILABLE 1966-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP. 18, 1980	43.93						

See footnotes at end of table.

RAPIDES PARISH

310734092373801 LOCAL WELL NUMBER: R-868

OWNER: CITY OF ALEXANDRIA. (SEC. 25, T. 2N., R. 3W.) DRILLED UNUSED WATER-TABLE WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 4 IN, DEPTH 104 FT, SCREENED 99-104. MP TOP OF CASING, 0.50 FT ABOVE LSD.
LSD 196.50 FT NGVD.
HIGHEST WATER LEVEL 34.14 BELOW LSD, APR. 30, 1968,
LOWEST WATER LEVEL 55.42 BELOW LSD, JAN. 20, 1979.
RECORDS AVAILABLE 1966-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 1, 1979	52.64H	DEC. 31, 1979	52.07	MAR. 28, 1980	50.44J	JUNE 25, 1980	46.82
OCT. 5	53.01	JAN. 5, 1980	51.85	MAR. 31	49.99	JUNE 30	47.08
OCT. 10	53.31	JAN. 10	51.67	APR. 5	49.70	JULY 5	47.43
OCT. 15	53.45	JAN. 15	51.25	APR. 10	49.21	JULY 8	47.67J
OCT. 18	53.48J	JAN. 20	51.25	APR. 15	48.60	JULY 10	47.72H
OCT. 20	52.76	JAN. 22	51.09J	APR. 20	48.15	JULY 15	47.87
OCT. 25	53.22	JAN. 24	51.39H	APR. 23	47.93H	JULY 20	48.04
OCT. 31	53.05	JAN. 31	50.95	APR. 25	47.74	JULY 25	47.99
NOV. 5	53.31	FEB. 5	50.89	APR. 30	47.82	JULY 31	48.10
NOV. 10	53.54	FEB. 10	50.79	MAY 5	47.17	AUG. 5	48.64
NOV. 12	53.61J	FEB. 15	50.43	MAY 10	47.09	AUG. 10	48.87
NOV. 15	53.53	FEB. 20	50.57	MAY 15	47.21	AUG. 15	48.76
NOV. 20	53.40	FEB. 25	50.17	MAY 19	46.56J	AUG. 20	48.78
NOV. 25	53.45	FEB. 29	50.19	MAY 20	46.85	AUG. 25	48.76
NOV. 30	53.21	MAR. 2	49.90J	MAY 25	46.90	AUG. 31	48.70
DEC. 5	53.05	MAR. 3	50.17H	MAY 31	47.04	SEP. 5	48.85
DEC. 10	52.97	MAR. 5	49.87	JUNE 5	47.50H	SEP. 10	49.42
DEC. 15	52.70	MAR. 10	50.28	JUNE 10	47.06	SEP. 15	49.54
DEC. 19	52.29J	MAR. 15	49.61	JUNE 15	47.07	SEP. 20	49.49
DEC. 20	52.46	MAR. 20	49.78	JUNE 20	46.87	SEP. 25	49.55
DEC. 24	52.54J	MAR. 25	50.28	JUNE 24	46.74J	SEP. 30	49.77J
DEC. 25	52.38						

312409092520901 LOCAL WELL NUMBER: R-879

OWNER: U. S. GEOL. SURVEY. (SEC. 22, T. 5N., R. 5W.) DRILLED OBSERVATION ARTESIAN WELL IN THE CATAHOULA FM. OF MIOCENE AGE, DIAM 2 IN, DEPTH 810 FT, SCREENED 800-810. MP TOP OF CASING, 3.90 FT ABOVE LSD.
LSD 300.00 FT NGVD.
HIGHEST WATER LEVEL 209.43 BELOW LSD, APR. 8, 1969,
LOWEST WATER LEVEL 215.47 BELOW LSD, SEP. 11, 1980.
RECORDS AVAILABLE 1967-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP. 11, 1980	215.47						

312339092094501 LOCAL WELL NUMBER: R-893

OWNER: LA. OFFICE PUBLIC WORKS. (SEC. 22, T. 5N., R. 3E.) DRILLED OBSERVATION ARTESIAN WELL IN THE CARNAHAN BAYOU MEMBER OF THE FLEMING FM. OF MIOCENE AGE, DIAM 2 IN, DEPTH 820 FT, SCREENED 810-820. MP TOP OF CASING, 1.50 FT ABOVE LSD.
LSD 60.00 FT NGVD.
HIGHEST WATER LEVEL 28.23 BELOW LSD, APR. 15, 1970,
LOWEST WATER LEVEL 69.58 BELOW LSD, JULY 15, 1980.
RECORDS AVAILABLE 1969-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 31, 1979	63.88	JAN. 24, 1980	63.55C	APR. 10, 1980	67.34C	JULY 15, 1980	69.58C
DEC. 31	67.74C	MAR. 5	63.65C	JUNE 2	60.72	SEP. 8	60.84D

310522092305401 LOCAL WELL NUMBER: R-1015

OWNER: U. S. GEOL. SURVEY. (SEC. 6, T. 1N., R. 1W.) BORED OBSERVATION WATER-TABLE WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN, DEPTH 65 FT, SCREENED 62-65. MP TOP OF CASING, 4.00 FT ABOVE LSD.
LSD 165.00 FT NGVD.
HIGHEST WATER LEVEL 36.07 BELOW LSD, MAR. 21, 1974,
LOWEST WATER LEVEL 44.04 BELOW LSD, DEC. 22, 1978.
RECORDS AVAILABLE 1973-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 31, 1979	42.13	JAN. 24, 1980	40.06	APR. 23, 1980	36.20	JULY 10, 1980	38.29
DEC. 21	41.06	MAR. 3	38.92	JUNE 5	36.80	SEP. 8	40.80

See footnotes at end of table.

310404092313001   LOCAL WELL NUMBER: R-1016

OWNER: U. S. GEOL. SURVEY. (SEC. 12, T. 1N., R. 2W.) BORED OBSERVATION WATER-TABLE WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN, DEPTH 74 FT, SCREENED 71-74. MP TOP OF CASING, 4.00 FT ABOVE LSD.
LSD 180.00 FT NGVD.
HIGHEST WATER LEVEL 31.94 BELOW LSD, JUNE 24, 1976,
LOWEST WATER LEVEL 35.13 BELOW LSD, JULY 3, 1973.
RECORDS AVAILABLE 1973-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP. 8, 1980	33.80						

310329092320801   LOCAL WELL NUMBER: R-1017

OWNER: U. S. GEOL. SURVEY. (SEC. 14, T. 1N., R. 2W.) BORED OBSERVATION ARTESIAN WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN, DEPTH 84 FT, SCREENED 81-84. MP TOP OF CASING, 4.00 FT ABOVE LSD.
LSD 185.00 FT NGVD.
HIGHEST WATER LEVEL 40.88 BELOW LSD, MAY 19, 1976,
LOWEST WATER LEVEL 44.15 BELOW LSD, FEB. 1, 1979.
RECORDS AVAILABLE 1973-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP. 8, 1980	42.90						

310340092332801   LOCAL WELL NUMBER: R-1018

OWNER: U. S. GEOL. SURVEY. (SEC. 15, T. 1N., R. 2W.) BORED OBSERVATION WATER-TABLE WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN, DEPTH 138 FT, SCREENED 135-138. MP TOP OF CASING, 4.00 FT ABOVE LSD.
LSD 220.00 FT NGVD.
HIGHEST WATER LEVEL 59.26 BELOW LSD, JUNE 17, 1974,
LOWEST WATER LEVEL 64.20 BELOW LSD, MAR. 1, 1979.
RECORDS AVAILABLE 1973-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP. 8, 1980	61.85						

310125092324801   LOCAL WELL NUMBER: R-1019

OWNER: U. S. GEOL. SURVEY. (SEC. 35, T. 1N., R. 2W.) BORED OBSERVATION WATER-TABLE WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN, DEPTH 88 FT, SCREENED 85-88. MP TOP OF CASING, 4.00 FT ABOVE LSD.
LSD 150.00 FT NGVD.
HIGHEST WATER LEVEL 44.77 BELOW LSD, MAY 9, 1974,
LOWEST WATER LEVEL 48.92 BELOW LSD, FEB. 1, 1979.
RECORDS AVAILABLE 1973-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP. 8, 1980	47.24						

310008092340801   LOCAL WELL NUMBER: R-1020

OWNER: U. S. GEOL. SURVEY. (SEC. 4, T. 1S., R. 2W.) BORED OBSERVATION ARTESIAN WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN, DEPTH 24 FT, SCREENED 21-24. MP TOP OF CASING, 4.00 FT ABOVE LSD.
LSD 60.00 FT NGVD.
HIGHEST WATER LEVEL 4.14 BELOW LSD, MAR. 9, 1977,
LOWEST WATER LEVEL 7.62 BELOW LSD, SEP. 21, 1978.
RECORDS AVAILABLE 1973-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP. 8, 1980	6.54						

RAPIDES PARISH

310131092345901 LOCAL WELL NUMBER: R-1021

OWNER: U. S. GEOL. SURVEY. (SEC. 28, T. 1N., R. 2W.) BORED OBSERVATION WATER-TABLE WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN, DEPTH 96 FT, SCREENED 93-96. MP TOP OF CASING, 3.00 FT ABOVE LSD.
LSD 155.00 FT NGVD.
HIGHEST WATER LEVEL 42.68 BELOW LSD, MAY 9, 1974.
LOWEST WATER LEVEL 49.27 BELOW LSD, DEC. 7, 1978.
RECORDS AVAILABLE 1973-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 31, 1979	48.27	JAN. 24, 1980	47.60	APR. 23, 1980	45.85	JULY 10, 1980	45.31
DEC. 21	48.08	MAR. 3	46.95	JUNE 5	45.02	SEP. 12	46.29

310303092355401 LOCAL WELL NUMBER: R-1022

OWNER: U. S. GEOL. SURVEY. (SEC. 20, T. 1N., R. 2W.) BORED OBSERVATION WATER-TABLE WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN, DEPTH 96 FT, SCREENED 93-96. MP TOP OF CASING, 3.00 FT ABOVE LSD.
LSD 170.00 FT NGVD.
HIGHEST WATER LEVEL 35.59 BELOW LSD, MAR. 21, 1974.
LOWEST WATER LEVEL 43.14 BELOW LSD, FEB. 1, 1979.
RECORDS AVAILABLE 1973-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 31, 1979	41.75	JAN. 24, 1980	40.83	APR. 23, 1980	39.16	JULY 10, 1980	38.49
DEC. 21	41.45	MAR. 3	40.26	JUNE 5	38.51	SEP. 12	39.66

310403092370702 LOCAL WELL NUMBER: R-1024A

OWNER: U. S. GEOL. SURVEY. (SEC. 18, T. 1N., R. 2W.) BORED OBSERVATION SEMIARTESIAN WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN, DEPTH 16 FT, SCREENED 13-16. MP TOP OF CASING, 4.03 FT ABOVE LSD.
LSD 115.00 FT NGVD.
HIGHEST WATER LEVEL 0.68 BELOW LSD, APR. 23, 1979.
LOWEST WATER LEVEL 5.20 BELOW LSD, APR. 19, 1977.
RECORDS AVAILABLE 1973-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 31, 1979	2.46	JAN. 24, 1980	0.74	APR. 23, 1980	3.04	JULY 10, 1980	3.86
DEC. 21	3.24	MAR. 3	3.23	JUNE 5	3.69	SEP. 12	3.42

310403092370701 LOCAL WELL NUMBER: R-1024B

OWNER: U. S. GEOL. SURVEY. (SEC. 18, T. 1N., R. 2W.) BORED OBSERVATION SEMIARTESIAN WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN, DEPTH 152 FT, SCREENED 149-152. MP TOP OF CASING, 4.00 FT ABOVE LSD.
LSD 115.00 FT NGVD.
HIGHEST WATER LEVEL 0.20 ABOVE LSD, JAN. 24, 1980.
LOWEST WATER LEVEL 4.40 BELOW LSD, SEP. 10, 1979.
RECORDS AVAILABLE 1973-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 31, 1979	1.77	JAN. 24, 1980	0.20	APR. 23, 1980	1.67	JULY 10, 1980	2.77
DEC. 21	2.05	MAR. 3	2.03	JUNE 5	2.27	SEP. 12	3.26

310348092355701 LOCAL WELL NUMBER: R-1025

OWNER: U. S. GEOL. SURVEY. (SEC. 17, T. 1N., R. 2W.) BORED OBSERVATION WATER-TABLE WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN, DEPTH 99 FT, SCREENED 96-99. MP TOP OF CASING, 4.00 FT ABOVE LSD.
LSD 170.00 FT NGVD.
HIGHEST WATER LEVEL 41.55 BELOW LSD, MAR. 21, 1974.
LOWEST WATER LEVEL 46.11 BELOW LSD, DEC. 7, 1978.
RECORDS AVAILABLE 1973-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP. 12, 1980	44.40						

310421092351001 LOCAL WELL NUMBER: R-1026

OWNER: U. S. GEOL. SURVEY. (SEC. 9, T. 1N., R. 2W.) BORED OBSERVATION WATER-TABLE WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE. DIAM 1 1/4 IN. DEPTH 116 FT. SCREENED 113-116. MP TOP OF CASING, 4.00 FT ABOVE LSD.
LSD 210.00 FT NGVD.
HIGHEST WATER LEVEL 47.37 BELOW LSD, MAR. 21, 1974.
LOWEST WATER LEVEL 52.78 BELOW LSD, DEC. 7, 1978.
RECORDS AVAILABLE 1973-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP. 12, 1980	49.88						

310510092344601 LOCAL WELL NUMBER: R-1027

OWNER: U. S. GEOL. SURVEY. (SEC. 4, T. 1N., R. 2W.) BORED OBSERVATION WATER-TABLE WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE. DIAM 1 1/4 IN. DEPTH 148 FT. SCREENED 145-148. MP TOP OF CASING, 5.00 FT ABOVE LSD.
LSD 230.00 FT NGVD.
HIGHEST WATER LEVEL 70.13 BELOW LSD, OCT. 29, 1975.
LOWEST WATER LEVEL 74.59 BELOW LSD, FEB. 1, 1979.
RECORDS AVAILABLE 1973-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP. 12, 1980	71.13						

310555092381401 LOCAL WELL NUMBER: R-1028

OWNER: U. S. GEOL. SURVEY. (SEC. 35, T. 2N., R. 3W.) BORED OBSERVATION WATER-TABLE WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE. DIAM 1 1/4 IN. DEPTH 63 FT. SCREENED 60-63. MP TOP OF CASING, 3.00 FT ABOVE LSD.
LSD 135.00 FT NGVD.
HIGHEST WATER LEVEL 6.71 BELOW LSD, MAR. 19, 1976.
LOWEST WATER LEVEL 9.48 BELOW LSD, NOV. 3, 1978.
RECORDS AVAILABLE 1973-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP. 12, 1980	9.12						

310635092391602 LOCAL WELL NUMBER: R-1029A

OWNER: U. S. GEOL. SURVEY. (SEC. 34, T. 2N., R. 3W.) BORED OBSERVATION ARTESIAN WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE. DIAM 1 1/4 IN. DEPTH 22 FT. SCREENED 19-22. MP TOP OF CASING, 2.61 FT ABOVE LSD.
LSD 140.00 FT NGVD.
HIGHEST WATER LEVEL 6.55 BELOW LSD, MAY 3, 1977.
LOWEST WATER LEVEL 11.67 BELOW LSD, MAY 12, 1978.
RECORDS AVAILABLE 1973-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 31, 1979	9.43	JAN. 24, 1980	8.28	APR. 23, 1980	9.52	SEP. 12, 1980	11.00
DEC. 21	9.79	MAR. 3	9.64	JUNE 5	10.62		

310635092391601 LOCAL WELL NUMBER: R-1029B

OWNER: U. S. GEOL. SURVEY. (SEC. 34, T. 2N., R. 3W.) BORED OBSERVATION ARTESIAN WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE. DIAM 1 1/4 IN. DEPTH 152 FT. SCREENED 149-152. MP TOP OF CASING, 2.73 FT ABOVE LSD.
LSD 140.00 FT NGVD.
HIGHEST WATER LEVEL 6.84 BELOW LSD, MAY 3, 1977.
LOWEST WATER LEVEL 11.83 BELOW LSD, NOV. 3, 1978.
RECORDS AVAILABLE 1973-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 31, 1979	9.03	JAN. 24, 1980	7.66	APR. 23, 1980	8.95	SEP. 12, 1980	10.43
DEC. 21	8.77	MAR. 3	8.71	JUNE 5	9.06		

RAPIDES PARISH

310552092410301 LOCAL WELL NUMBER: R-1030

OWNER: U. S. GEOL. SURVEY. (SEC. 4, T. 1N., R. 3W.) BORED OBSERVATION WATER-TABLE WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE. DIAM 1 1/4 IN. DEPTH 134 FT. SCREENED 131-134. MP TOP OF CASING, 4.00 FT ABOVE LSD.
LSD 220.00 FT NGVD.
HIGHEST WATER LEVEL 66.89 BELOW LSD, OCT. 29, 1975.
LOWEST WATER LEVEL 71.24 BELOW LSD, FEB. 1, 1979.
RECORDS AVAILABLE 1973-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP. 12, 1980	67.91						

310436092430201 LOCAL WELL NUMBER: R-1031

OWNER: U. S. GEOL. SURVEY. (SEC. 7, T. 1N., R. 3W.) BORED OBSERVATION SEMIARTESIAN WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE. DIAM 1 1/4 IN. DEPTH 95 FT. SCREENED 92-95. MP TOP OF CASING, 4.00 FT ABOVE LSD.
LSD 140.00 FT NGVD.
HIGHEST WATER LEVEL 0.26 ABOVE LSD, FEB. 22, 1979.
LOWEST WATER LEVEL 8.47 BELOW LSD, NOV. 3, 1978.
RECORDS AVAILABLE 1973-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 31, 1979	4.76	MAR. 3, 1980	2.02	JUNE 5, 1980	5.88	SEP. 12, 1980	8.32
DEC. 21	1.71	APR. 23	0.98	JULY 10	7.80		

310919092385701 LOCAL WELL NUMBER: R-1032

OWNER: U. S. GEOL. SURVEY. (SEC. 14, T. 2N., R. 3W.) BORED OBSERVATION WATER-TABLE WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE. DIAM 1 1/4 IN. DEPTH 116 FT. SCREENED 113-116. MP TOP OF CASING, 3.00 FT ABOVE LSD.
LSD 240.00 FT NGVD.
HIGHEST WATER LEVEL 87.08 BELOW LSD, AUG. 18, 1976.
LOWEST WATER LEVEL 90.01 BELOW LSD, FEB. 1, 1979.
RECORDS AVAILABLE 1973-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP. 12, 1980	88.35						

310927092374001 LOCAL WELL NUMBER: R-1033

OWNER: U. S. GEOL. SURVEY. (SEC. 12, T. 2N., R. 3W.) BORED OBSERVATION WATER-TABLE WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE. DIAM 1 1/4 IN. DEPTH 84 FT. SCREENED 81-84. MP TOP OF CASING, 3.50 FT ABOVE LSD.
LSD 175.00 FT NGVD.
HIGHEST WATER LEVEL 34.77 BELOW LSD, NOV. 13, 1975.
LOWEST WATER LEVEL 38.67 BELOW LSD, MAR. 1, 1979.
RECORDS AVAILABLE 1973-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP. 15, 1980	37.90						

310808092374001 LOCAL WELL NUMBER: R-1034

OWNER: U. S. GEOL. SURVEY. (SEC. 24, T. 2N., R. 3W.) BORED OBSERVATION WATER-TABLE WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE. DIAM 1 1/4 IN. DEPTH 95 FT. SCREENED 92-95. MP TOP OF CASING, 4.00 FT ABOVE LSD.
LSD 195.00 FT NGVD.
HIGHEST WATER LEVEL 38.58 BELOW LSD, NOV. 13, 1975.
LOWEST WATER LEVEL 46.90 BELOW LSD, MAR. 1, 1979.
RECORDS AVAILABLE 1973-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP. 12, 1980	43.59						

RAPIDES PARISH

310806092351801 LOCAL WELL NUMBER: R-1035

OWNER: U. S. GEOL. SURVEY. (SEC. 20, T. 2N., R. 2W.) BORED OBSERVATION WATER-TABLE WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE. DIAM 1 1/4 IN. DEPTH 127 FT. SCREENED 124-127. MP TOP OF CASING, 4.00 FT ABOVE LSD.
LSD 230.00 FT NGVD.
HIGHEST WATER LEVEL 73.63 BELOW LSD, NOV. 10, 1977.
LOWEST WATER LEVEL 79.00 BELOW LSD, MAR. 1, 1979.
RECORDS AVAILABLE 1973-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP. 12, 1980	77.55						

305944092402201 LOCAL WELL NUMBER: R-1045

OWNER: U. S. GEOL. SURVEY. (SEC. 4, T. 1S., R. 3W.) BORED OBSERVATION ARTESIAN WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE. DIAM 1 1/4 IN. DEPTH 63 FT. SCREENED 60-63. MP TOP OF CASING, 11.50 FT ABOVE LSD.
LSD 120.00 FT NGVD.
HIGHEST WATER LEVEL 1.70 ABOVE LSD, MAR. 7, 1977.
LOWEST WATER LEVEL 8.10 BELOW LSD, NOV. 1, 1978.
RECORDS AVAILABLE 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 21, 1979	0.87	APR. 21, 1980	0.70	JULY 11, 1980	7.39	SEP. 8, 1980	7.90
MAR. 5, 1980	1.65	MAY 30	3.15				

311159092441001 LOCAL WELL NUMBER: R-1056

OWNER: U. S. GEOL. SURVEY. (SEC. 36, T. 3N., R. 4W.) DRILLED OBSERVATION ARTESIAN WELL IN THE CARNAHAN BAYOU MEMBER OF THE FLEMING FM. OF MIOCENE AGE. DIAM 2 IN. DEPTH 1555 FT. SCREENED 1545-1555. MP TOP OF CASING, 3.20 FT ABOVE LSD.
LSD 240.00 FT NGVD.
HIGHEST WATER LEVEL 157.97 BELOW LSD, MAY 9, 1977.
LOWEST WATER LEVEL 190.50 BELOW LSD, SEP. 12, 1980.
RECORDS AVAILABLE 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 1, 1979	185.45	JAN. 24, 1980	187.54	APR. 22, 1980	187.72	JULY 11, 1980	189.20
DEC. 28	185.98	MAR. 3	186.99	JUNE 2	187.86	SEP. 12	190.50

310541092293601 LOCAL WELL NUMBER: R-1085B

OWNER: U. S. GEOL. SURVEY. (SEC. 5, T. 1N., R. 1W.) DRILLED OBSERVATION ARTESIAN WELL IN THE BLOUNTS CREEK MEMBER OF THE FLEMING FM. OF PLIOCENE-MIOCENE AGE. DIAM 2 IN. DEPTH 500 FT. SCREENED 490-500. MP TOP OF CASING, AT LSD.
LSD 100.00 FT NGVD.
HIGHEST WATER LEVEL 38.60 BELOW LSD, MAY 20, 1975.
LOWEST WATER LEVEL 51.04 BELOW LSD, SEP. 8, 1980.
RECORDS AVAILABLE 1975-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP. 8, 1980	51.04						

RED RIVER PARISH

320019093225601 LOCAL WELL NUMBER: RR-141

OWNER: U. S. GEOL. SURVEY. (SEC. 22, T. 12N., R. 10W.) BORED OBSERVATION SEMIARTESIAN WELL IN THE RED RIVER ALLUVIAL AQUIFER OF PLEISTOCENE AGE. DIAM 1 1/4 IN. DEPTH 42 FT. SCREENED 39-42. MP TOP OF CASING, 4.00 FT ABOVE LSD (SINCE 6/2/80).
LSD 128.19 FT NGVD.
HIGHEST WATER LEVEL 1.18 BELOW LSD, JUNE 12, 1975.
LOWEST WATER LEVEL 20.76 BELOW LSD, FEB. 2, 1957.
RECORDS AVAILABLE 1954-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 5, 1979	10.95	JAN. 4, 1980	9.30	APR. 3, 1980	4.09	JUNE 30, 1980	7.60
NOV. 5	11.25	FEB. 7	7.11	APR. 7	7.11	AUG. 5	10.25
DEC. 10	10.45	MAR. 10	7.73	MAY 12	5.57	AUG. 26	11.56
DEC. 11	10.42	MAR. 11	7.91	JUNE 2	5.56		

RED RIVER PARISH

321010093143901 LOCAL WELL NUMBER: RR-274

OWNER: U. S. GEOL. SURVEY. (SEC. 25, T. 14N., R. 9W.) DRILLED OBSERVATION ARTESIAN WELL IN THE WILCOX GROUP OF PALEOCENE-EOCENE AGE, DIAM 2 IN, DEPTH 206 FT, SCREENED 196-206. MP TOP OF BUSHING, 4.00 FT ABOVE LSD.
LSD 235.00 FT NGVD.
HIGHEST WATER LEVEL 58.04 BELOW LSD, MAY 15, 1980,
LOWEST WATER LEVEL 59.98 BELOW LSD, JULY 28, 1980.
RECORDS AVAILABLE 1979-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 23, 1979	59.35	APR. 4, 1980	58.50	JUNE 27, 1980	58.28	JULY 28, 1980	59.98
MAR. 3, 1980	58.87	MAY 15	58.04	JULY 2	58.41	SEP. 4	59.78

321010093143902 LOCAL WELL NUMBER: RR-276

OWNER: U. S. GEOL. SURVEY. (SEC. 25, T. 14N., R. 9W.) BORED OBSERVATION WATER-TABLE WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN, DEPTH 42 FT, SCREENED 39-42. MP TOP OF BUSHING, 3.50 FT ABOVE LSD.
LSD 235.00 FT NGVD.
HIGHEST WATER LEVEL 21.64 BELOW LSD, MAY 15, 1980,
LOWEST WATER LEVEL 24.52 BELOW LSD, SEP. 4, 1980.
RECORDS AVAILABLE CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAY 15, 1980	21.64	JULY 2, 1980	22.61	JULY 30, 1980	23.51	SEP. 4, 1980	24.52
JUNE 27	21.78						

RICHLAND PARISH

322956091441001 LOCAL WELL NUMBER: RI-88

OWNER: U. S. GEOL. SURVEY. (SEC. 34, T. 18N., R. 7E.) DRILLED OBSERVATION ARTESIAN WELL IN THE COCKFIELD FM. OF EOCENE AGE, DIAM 4 IN, DEPTH 239 FT, SCREENED 228-239. MP TOP OF 4-IN COLLAR, 3.60 FT ABOVE LSD.
LSD 85.00 FT NGVD.
HIGHEST WATER LEVEL 17.00 BELOW LSD, MAY 21, 1975,
LOWEST WATER LEVEL 20.45 BELOW LSD, NOV. 30, 1970.
RECORDS AVAILABLE 1969-73, 1975-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 26, 1980	18.48	SEP. 9	19.31				

323029091430001 LOCAL WELL NUMBER: RI-89

OWNER: U. S. GEOL. SURVEY. (SEC. 26, T. 18N., R. 7E.) DRILLED OBSERVATION ARTESIAN WELL IN THE COCKFIELD FM. OF EOCENE AGE, DIAM 2 IN, DEPTH 300 FT, SCREENED 290-300. MP TOP OF CASING, 4.20 FT ABOVE LSD.
LSD 84.00 FT NGVD.
HIGHEST WATER LEVEL 17.75 BELOW LSD, MAY 21, 1975,
LOWEST WATER LEVEL 21.23 BELOW LSD, SEP. 10, 1969.
RECORDS AVAILABLE 1969-73, 1975-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 26, 1980	18.99	MAR. 11	18.91	SEP. 9, 1980	19.33		

322706091453401 LOCAL WELL NUMBER: RI-91

OWNER: U. S. GEOL. SURVEY. (SEC. 16, T. 17N., R. 7E.) DRILLED OBSERVATION ARTESIAN WELL IN THE COCKFIELD FM. OF EOCENE AGE, DIAM 2 IN, DEPTH 180 FT, SCREENED 170-180. MP TOP OF CASING, 3.90 FT ABOVE LSD.
LSD 80.00 FT NGVD.
HIGHEST WATER LEVEL 10.27 BELOW LSD, MAY 21, 1975,
LOWEST WATER LEVEL 13.98 BELOW LSD, NOV. 30, 1970.
RECORDS AVAILABLE 1969-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 26, 1980	10.35	MAR. 11	10.40	SEP. 9, 1980	10.77		

322706091453402 LOCAL WELL NUMBER: RI-92

OWNER: U. S. GEOL. SURVEY. (SEC. 16, T. 17N., R. 7E.) DRILLED OBSERVATION ARTESIAN WELL IN THE MISSISSIPPI RIVER ALLUVIAL AQUIFER OF PLEISTOCENE AGE, DIAM 4 IN, DEPTH 153 FT, SCREENED 143-153. MP TOP OF HOLE IN CASING CAP, 4.30 FT ABOVE LSD.
LSD 80.00 FT NGVD.
HIGHEST WATER LEVEL 10.21 BELOW LSD, FEB. 20, 1976.
LOWEST WATER LEVEL 13.98 BELOW LSD, NOV. 30, 1970.
RECORDS AVAILABLE 1969-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 26, 1980	10.36	SEP. 9	10.95				

322804091375002 LOCAL WELL NUMBER: RI-93A

OWNER: U. S. GEOL. SURVEY. (SEC. 10, T. 17N., R. 8E.) DRILLED OBSERVATION ARTESIAN WELL IN THE COCKFIELD FM. OF EOCENE AGE, DIAM 2 IN, DEPTH 239 FT, SCREENED 229-239. MP TOP OF CASING, 3.00 FT ABOVE LSD.
LSD 80.00 FT NGVD.
HIGHEST WATER LEVEL 15.09 BELOW LSD, FEB. 20, 1976.
LOWEST WATER LEVEL 18.25 BELOW LSD, JULY 20, 1970.
RECORDS AVAILABLE 1970-73, 1975-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 27, 1980	16.52	MAR. 11	16.44	SEP. 9, 1980	16.94		

323304091374301 LOCAL WELL NUMBER: RI-94

OWNER: U. S. GEOL. SURVEY. (SEC. 15, T. 18N., R. 8E.) DRILLED OBSERVATION ARTESIAN WELL IN THE COCKFIELD FM. OF EOCENE AGE, DIAM 2 IN, DEPTH 345 FT, SCREENED 335-345. MP TOP OF CASING, 3.00 FT ABOVE LSD.
LSD 80.00 FT NGVD.
HIGHEST WATER LEVEL 11.87 BELOW LSD, FEB. 20, 1976.
LOWEST WATER LEVEL 14.23 BELOW LSD, AUG. 25, 1970.
RECORDS AVAILABLE 1970-73, 1975-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 26, 1980	12.64	MAR. 11	12.53	SEP. 9, 1980	12.83		

323217091295002 LOCAL WELL NUMBER: RI-95A

OWNER: U. S. GEOL. SURVEY. (SEC. 13, T. 18N., R. 9E.) DRILLED OBSERVATION ARTESIAN WELL IN THE COCKFIELD FM. OF EOCENE AGE, DIAM 2 IN, DEPTH 200 FT, SCREENED 190-200. MP TOP OF CASING, 2.00 FT ABOVE LSD.
LSD 90.00 FT NGVD.
HIGHEST WATER LEVEL 23.76 BELOW LSD, FEB. 20, 1976.
LOWEST WATER LEVEL 25.53 BELOW LSD, NOV. 30, 1970.
RECORDS AVAILABLE 1970-73, 1975-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 5, 1980	23.78	SEP. 9	23.98				

323003091301301 LOCAL WELL NUMBER: RI-96

OWNER: U. S. GEOL. SURVEY. (SEC. 36, T. 18N., R. 9E.) DRILLED OBSERVATION ARTESIAN WELL IN THE COCKFIELD FM. OF EOCENE AGE, DIAM 2 IN, DEPTH 170 FT, SCREENED 160-170. MP TOP OF CASING, 3.00 FT ABOVE LSD.
LSD 90.00 FT NGVD.
HIGHEST WATER LEVEL 15.30 BELOW LSD, MAR. 5, 1980.
LOWEST WATER LEVEL 17.34 BELOW LSD, NOV. 30, 1970.
RECORDS AVAILABLE 1970-73, 1975-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 5, 1980	15.30	SEP. 9	16.11				

RICHLAND PARISH

322750091350501 LOCAL WELL NUMBER: RI-97

OWNER: U. S. GEOL. SURVEY. (SEC. 7, T. 17N., R. 9E.) DRILLED OBSERVATION ARTESIAN WELL IN THE COCKFIELD FM. OF EOCENE AGE. DIAM 2 IN. DEPTH 239 FT. SCREENED 229-239. MP TOP OF CASING, 3.00 FT ABOVE LSD.
LSD 80.00 FT NGVD.
HIGHEST WATER LEVEL 13.98 BELOW LSD, MAY 21, 1975.
LOWEST WATER LEVEL 17.48 BELOW LSD, AUG. 25, 1970.
RECORDS AVAILABLE 1970-73, 1975-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 5, 1980	15.85	SEP. 9	16.[illegible]				

322623091294901 LOCAL WELL NUMBER: RI-112

OWNER: MRS. EMMETT REYNOLDS. (SEC. 24, T. 17N., R. 9E.) DRILLED UNUSED WATER-TABLE WELL IN THE MISSISSIPPI RIVER ALLUVIAL AQUIFER OF PLEISTOCENE AGE. DIAM 2 IN. DEPTH 67 FT. SCREENED INTERVAL UNKNOWN. MP TOP OF CASING, 2.00 FT ABOVE LSD.
LSD 95.00 FT NGVD.
HIGHEST WATER LEVEL 30.19 BELOW LSD, MAY 25, 1978.
LOWEST WATER LEVEL 34.30 BELOW LSD, APR. 9, 1979.
RECORDS AVAILABLE 1978-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 5, 1980	33.92	SEP. 9	33.65				

322636091295702 LOCAL WELL NUMBER: RI-114

OWNER: U. S. GEOL. SURVEY. (SEC. 24, T. 17N., R. 9E.) DRILLED OBSERVATION WATER-TABLE WELL IN THE MISSISSIPPI RIVER ALLUVIAL AQUIFER OF PLEISTOCENE AGE. DIAM 1 1/4 IN. DEPTH 66 FT. SCREENED 63-66. MP TOP OF CASING, 4.35 FT ABOVE LSD.
LSD 95.00 FT NGVD.
HIGHEST WATER LEVEL 31.91 BELOW LSD, AUG. 7, 1975.
LOWEST WATER LEVEL 34.95 BELOW LSD, DEC. 4, 1972.
RECORDS AVAILABLE 1972-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 5, 1980	32.93	SEP. 9	32.49				

322605091301101 LOCAL WELL NUMBER: RI-124

OWNER: U. S. GEOL. SURVEY. (SEC. 25, T. 17N., R. 9E.) BORED OBSERVATION WATER-TABLE WELL IN THE MISSISSIPPI RIVER ALLUVIAL AQUIFER OF PLEISTOCENE AGE. DIAM 1 1/4 IN. DEPTH 84 FT. SCREENED 81-84. MP TOP OF CASING, 3.00 FT ABOVE LSD.
LSD 95.00 FT NGVD.
HIGHEST WATER LEVEL 30.75 BELOW LSD, AUG. 20, 1979.
LOWEST WATER LEVEL 33.90 BELOW LSD, DEC. 1, 1978.
RECORDS AVAILABLE 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 5, 1980	33.10	SEP. 9	32.70				

SABINE PARISH

313510093282101 LOCAL WELL NUMBER: SA-103

OWNER: LOUIS ALFORD. (SEC. 14, T. 7N., R. 11W.) DRILLED UNUSED ARTESIAN WELL IN THE WILCOX GROUP OF PALEOCENE-EOCENE AGE. DIAM 10 IN. DEPTH 170 FT. SCREENED INTERVAL UNKNOWN. MP TOP OF CASING, 1.00 FT ABOVE LSD.
LSD 220.00 FT NGVD.
HIGHEST WATER LEVEL 3.34 BELOW LSD, MAR. 21, 1961.
LOWEST WATER LEVEL 16.93 BELOW LSD, JULY 25, 1955.
RECORDS AVAILABLE 1954-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 19, 1979	14.00	MAR. 12, 1980	11.93	MAY 29, 1980	9.55	SEP. 11, 1980	15.04

314708093385201 LOCAL WELL NUMBER: SA-163

OWNER: SABINE PARISH SCHOOL BOARD. (SEC. 12, T. 9N., R. 13W.) DRILLED UNUSED ARTESIAN WELL IN THE WILCOX GROUP OF PALEOCENE-EOCENE AGE, DIAM 6 IN, DEPTH 200 FT, SCREENED INTERVAL UNKNOWN. MP TOP OF CASING, 0.50 FT ABOVE LSD.
LSD 305.00 FT NGVD.
HIGHEST WATER LEVEL 83.29 BELOW LSD, MAY 31, 1979,
LOWEST WATER LEVEL 89.80 BELOW LSD, JUNE 25, 1963.
RECORDS AVAILABLE 1955-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 19, 1979	85.75	MAR. 12, 1980	84.72	MAY 27, 1980	84.32	SEP. 10, 1980	86.92

312243093240501 LOCAL WELL NUMBER: SA-287

OWNER: A. J. HODGES. (SEC. 28, T. 5N., R. 10W.) DRILLED UNUSED ARTESIAN WELL IN THE CATAHOULA FM. OF MIOCENE AGE, DIAM 6 IN, DEPTH 208 FT, SCREENED 178-208. MP 1/2-IN HOLE IN SANITARY SEAL, 1.20 FT ABOVE LSD.
LSD 310.00 FT NGVD.
HIGHEST WATER LEVEL 64.02 BELOW LSD, DEC. 17, 1958,
LOWEST WATER LEVEL 70.20 BELOW LSD, FEB. 12, 1973.
RECORDS AVAILABLE 1958, 1966-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP. 11, 1980	65.78						

311828093270301 LOCAL WELL NUMBER: SA-386

OWNER: U. S. GEOL. SURVEY. (SEC. 24, T. 4N., R. 11W.) DRILLED OBSERVATION ARTESIAN WELL IN THE CATAHOULA FM. OF MIOCENE AGE, DIAM 2 IN, DEPTH 131 FT, SCREENED 126-131. MP TOP OF CASING, 2.20 FT ABOVE LSD.
LSD 242.00 FT NGVD.
HIGHEST WATER LEVEL 12.78 BELOW LSD, APR. 24, 1973,
LOWEST WATER LEVEL 17.57 BELOW LSD, JUNE 21, 1965.
RECORDS AVAILABLE 1965-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 13, 1979	16.76	JAN. 30, 1980	14.94	APR. 23, 1980	14.42	JULY 9, 1980	15.05
DEC. 19	16.02	MAR. 12	13.92	MAY 29	13.37	SEP. 11	17.20

311930093312001 LOCAL WELL NUMBER: SA-387

OWNER: U. S. GEOL. SURVEY. (SEC. 16, T. 4N., R. 12W.) DRILLED OBSERVATION ARTESIAN WELL IN THE COCKFIELD FM. OF EOCENE AGE, DIAM 2 IN, DEPTH 402 FT, SCREENED 397-402. MP TOP OF CASING, 1.45 FT ABOVE LSD.
LSD 210.00 FT NGVD.
HIGHEST WATER LEVEL 39.59 BELOW LSD, JUNE 4, 1969,
LOWEST WATER LEVEL 67.86 BELOW LSD, OCT. 28, 1965.
RECORDS AVAILABLE 1965-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 13, 1979	43.25	JAN. 30, 1980	42.56	APR. 22, 1980	41.44	JULY 9, 1980	42.50
DEC. 19	43.11	MAR. 12	41.65	MAY 29	43.71	SEP. 11	43.98

311930093312002 LOCAL WELL NUMBER: SA-388

OWNER: U. S. GEOL. SURVEY. (SEC. 16, T. 4N., R. 12W.) DRILLED OBSERVATION ARTESIAN WELL IN THE COCKFIELD FM. OF EOCENE AGE, DIAM 2 IN, DEPTH 265 FT, SCREENED 260-265. MP TOP OF CASING, 1.20 FT ABOVE LSD.
LSD 210.00 FT NGVD.
HIGHEST WATER LEVEL 40.28 BELOW LSD, JAN. 31, 1974,
LOWEST WATER LEVEL 65.18 BELOW LSD, OCT. 28, 1965.
RECORDS AVAILABLE 1965-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 13, 1979	42.51	JAN. 30, 1980	41.95	APR. 22, 1980	40.75	JULY 9, 1980	41.73
DEC. 19	42.43	MAR. 12	42.97	MAY 29	40.95	SEP. 11	43.25

SABINE PARISH

312314093352901 LOCAL WELL NUMBER: SA-389

OWNER: U. S. GEOL. SURVEY. (SEC. 27, T. 5N., R. 12W.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN, DEPTH 383 FT, SCREENED 378-383. MP TOP OF CASING, 1.30 FT ABOVE LSD.
LSD 260.00 FT NGVD.
HIGHEST WATER LEVEL 70.58 BELOW LSD, MAR. 27, 1969.
LOWEST WATER LEVEL 77.49 BELOW LSD, FEB. 2, 1967.
RECORDS AVAILABLE 1965-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 19, 1979	74.38	MAR. 12, 1980	73.62	MAY 29, 1980	73.45	SEP. 11, 1980	74.28

312604093315801 LOCAL WELL NUMBER: SA-390

OWNER: U. S. GEOL. SURVEY. (SEC. 7, T. 5N., R. 11W.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN, DEPTH 362 FT, SCREENED 357-362. MP TOP OF CASING, 0.70 FT ABOVE LSD.
LSD 325.00 FT NGVD.
HIGHEST WATER LEVEL 115.30 BELOW LSD, MAY 28, 1980.
LOWEST WATER LEVEL 117.52 BELOW LSD, DEC. 5, 1967.
RECORDS AVAILABLE 1965-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 19, 1979	116.37	MAR. 12, 1980	115.67	MAY 28, 1980	115.30	SEP. 11, 1980	116.00

312329093295201 LOCAL WELL NUMBER: SA-391

OWNER: U. S. GEOL. SURVEY. (SEC. 28, T. 5N., R. 11W.) DRILLED OBSERVATION ARTESIAN WELL IN THE COCKFIELD FM. OF EOCENE AGE, DIAM 2 IN, DEPTH 383 FT, SCREENED 378-383. MP TOP OF CASING, 1.65 FT ABOVE LSD (SINCE 6/29/79).
LSD 240.00 FT NGVD.
HIGHEST WATER LEVEL 0.28 ABOVE LSD, APR. 26, 1966.
LOWEST WATER LEVEL 4.85 BELOW LSD, OCT. 6, 1971.
RECORDS AVAILABLE 1965-74, 1979-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 19, 1979	1.47	MAR. 12, 1980	0.83	MAY 28, 1980	0.19	SEP. 11, 1980	0.57

312206093311001 LOCAL WELL NUMBER: SA-392

OWNER: U. S. GEOL. SURVEY. (SEC. 32, T. 5N., R. 11W.) DRILLED OBSERVATION ARTESIAN WELL IN THE COCKFIELD FM. OF EOCENE AGE, DIAM 2 IN, DEPTH 544 FT, SCREENED 539-544. MP TOP OF CASING, 1.00 FT ABOVE LSD.
LSD 242.00 FT NGVD.
HIGHEST WATER LEVEL 23.79 BELOW LSD, JULY 3, 1975.
LOWEST WATER LEVEL 26.30 BELOW LSD, NOV. 13, 1979.
RECORDS AVAILABLE 1965-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 13, 1979	26.30	JAN. 30, 1980	25.51	APR. 23, 1980	24.95	JULY 9, 1980	24.87
DEC. 19	25.73	MAR. 12	25.14	MAY 28	24.69	SEP. 11	26.01

313748093451001 LOCAL WELL NUMBER: SA-394

OWNER: U. S. GEOL. SURVEY. (SEC. 36, T. 8N., R. 14W.) DRILLED OBSERVATION ARTESIAN WELL IN THE WILCOX GROUP OF PALEOCENE-EOCENE AGE, DIAM 2 IN, DEPTH 278 FT, SCREENED 273-278. MP TOP OF CASING, 1.00 FT ABOVE LSD.
LSD 265.00 FT NGVD.
HIGHEST WATER LEVEL 106.74 BELOW LSD, APR. 9, 1975.
LOWEST WATER LEVEL 110.85 BELOW LSD, OCT. 4, 1967.
RECORDS AVAILABLE 1965-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP. 11, 1980	109.37						

SABINE PARISH

314620093460801 LOCAL WELL NUMBER: SA-395

OWNER: U. S. GEOL. SURVEY. (SEC. 14, T. 9N., R. 14W.) DRILLED OBSERVATION ARTESIAN WELL IN THE WILCOX GROUP OF PALEOCENE-EOCENE AGE, DIAM 2 IN, DEPTH 293 FT, SCREENED 288-293. MP TOP OF CASING, 1.50 FT ABOVE LSD.
LSD 210.00 FT NGVD.
HIGHEST WATER LEVEL 1.03 ABOVE LSD, JUNE 5, 1968,
LOWEST WATER LEVEL 4.52 BELOW LSD, SEP. 10, 1980.
RECORDS AVAILABLE 1965-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 6, 1979	3.35	FEB. 4, 1980	3.10	APR. 23, 1980	2.72	JULY 9, 1980	3.33
DEC. 19	3.34	MAR. 12	2.94	MAY 27	2.61	SEP. 10	4.52

312748093393801 LOCAL WELL NUMBER: SA-462

OWNER: U. S. GEOL. SURVEY. (SEC. 36, T. 6N., R. 13W.) DRILLED OBSERVATION ARTESIAN WELL IN THE WILCOX GROUP OF PALEOCENE-EOCENE AGE, DIAM 2 IN, DEPTH 178 FT, SCREENED 168-178. MP TOP OF CASING, 3.94 FT ABOVE LSD.
LSD 280.00 FT NGVD.
HIGHEST WATER LEVEL 102.69 BELOW LSD, MAR. 12, 1980,
LOWEST WATER LEVEL 103.68 BELOW LSD, NOV. 8, 1978.
RECORDS AVAILABLE 1978-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 13, 1979	103.38	JAN. 30, 1980	103.18	APR. 23, 1980	102.86	JULY 9, 1980	102.86
DEC. 19	103.16	MAR. 12	102.69	MAY 29	102.94	SEP. 11	103.06

312725093325301 LOCAL WELL NUMBER: SA-465

OWNER: U. S. GEOL. SURVEY. (SEC. 39, T. 6N., R. 12W.) DRILLED OBSERVATION ARTESIAN WELL IN THE WILCOX GROUP OF PALEOCENE-EOCENE AGE, DIAM 2 IN, DEPTH 80 FT, SCREENED 70-80. MP TOP OF CASING, 4.04 FT ABOVE LSD.
LSD 265.00 FT NGVD.
HIGHEST WATER LEVEL 39.55 BELOW LSD, MAY 28, 1980,
LOWEST WATER LEVEL 46.33 BELOW LSD, NOV. 8, 1978.
RECORDS AVAILABLE 1978-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 19, 1979	43.01	MAR. 12, 1980	41.26	MAY 28, 1980	39.55	SEP. 11, 1980	44.68
JAN. 30, 1980	42.24	APR. 22	39.91	JULY 9	42.71		

ST. LANDRY PARISH

303108092041201 LOCAL WELL NUMBER: SL-37

OWNER: U. S. GEOL. SURVEY. (SEC. 85, T. 6S., R. 4E.) DRILLED OBSERVATION ARTESIAN WELL IN EVANGELINE AQUIFER OF PLIOCENE-MIOCENE AGE, DIAM 2 IN, DEPTH 629 FT, SCREENED 624-629. MP TOP INSIDE EDGE OF 2-IN CASING, 2.00 FT ABOVE LSD.
LSD 60.00 FT NGVD.
HIGHEST WATER LEVEL 68.56 BELOW LSD, JUNE 7, 1966,
LOWEST WATER LEVEL 96.87 BELOW LSD, SEP. 22, 1980.
RECORDS AVAILABLE 1966-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 24, 1979	95.94	FEB. 21, 1980	89.28	MAY 27, 1980	88.58	AUG. 26, 1980	96.63
DEC. 26	95.98	MAR. 20	95.05	JUNE 23	94.50	SEP. 22	96.87
JAN. 22, 1980	95.10	APR. 16	89.15	JULY 22	96.58		

303150092252101 LOCAL WELL NUMBER: SL-200

OWNER: U. S. GEOL. SURVEY. (SEC. 13, T. 6S., R. 1W.) DRILLED OBSERVATION ARTESIAN WELL IN EVANGELINE AQUIFER OF PLIOCENE-MIOCENE AGE, DIAM 2 IN, DEPTH 708 FT, SCREENED 703-708. MP TOP OF 2-IN CASING, 0.40 FT ABOVE LSD.
LSD 50.72 FT NGVD.
HIGHEST WATER LEVEL 68.57 BELOW LSD, APR. 26, 1966,
LOWEST WATER LEVEL 82.65 BELOW LSD, AUG. 26, 1980.
RECORDS AVAILABLE 1965-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 24, 1979	79.90	FEB. 21, 1980	78.80	MAY 27, 1980	79.27	AUG. 26, 1980	82.65
DEC. 26	80.40	MAR. 20	79.27	JUNE 23	79.87	SEP. 23	80.01
JAN. 22, 1980	78.74	APR. 16	79.14	JULY 22	81.45		

ST. LANDRY PARISH

303150092252102 LOCAL WELL NUMBER: SL-201

OWNER: U. S. GEOL. SURVEY. (SEC. 13, T. 6S., R. 1W.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 203 FT, SCREENED 197-203. MP TOP OF 2-IN CASING, 0.40 FT ABOVE LSD.
LSD 50.55 FT NGVD.
HIGHEST WATER LEVEL 79.08 BELOW LSD, MAR. 23, 1966,
LOWEST WATER LEVEL 114.14 BELOW LSD, JULY 25, 1973.
RECORDS AVAILABLE 1965-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 24, 1979	93.93	FEB. 21, 1980	90.24	MAY 27, 1980	99.16	AUG. 26, 1980	100.89
DEC. 26	92.45	MAR. 20	90.58	JUNE 23	110.37	SEP. 23	99.84
JAN. 22, 1980	91.25	APR. 16	92.53	JULY 22	111.24		

303109092041901 LOCAL WELL NUMBER: SL-206

OWNER: U. S. GEOL. SURVEY. (SEC. 85, T. 6S., R. 4E.) BORED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN, DEPTH 100 FT, SCREENED 97-100. MP TOP INSIDE EDGE OF 1 1/4-IN CASING, 2.00 FT ABOVE LSD.
LSD 62.00 FT NGVD.
HIGHEST WATER LEVEL 64.73 BELOW LSD, JUNE 9, 1966,
LOWEST WATER LEVEL 68.97 BELOW LSD, SEP. 22, 1980.
RECORDS AVAILABLE 1966-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 24, 1979	68.49	FEB. 21, 1980	66.69	MAY 27, 1980	67.68	AUG. 26, 1980	68.85
DEC. 26	68.53	MAR. 20	68.05	JUNE 23	68.12	SEP. 22	68.97
JAN. 22, 1980	67.53	APR. 16	67.84	JULY 22	68.64		

303109092041902 LOCAL WELL NUMBER: SL-207

OWNER: U. S. GEOL. SURVEY. (SEC. 85, T. 6S., R. 4E.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 478 FT, SCREENED 472-478. MP TOP INSIDE EDGE OF 2-IN CASING, 2.00 FT ABOVE LSD.
LSD 62.00 FT NGVD.
HIGHEST WATER LEVEL 66.28 BELOW LSD, MAR. 26, 1968,
LOWEST WATER LEVEL 77.35 BELOW LSD, SEP. 22, 1980.
RECORDS AVAILABLE 1966-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 24, 1979	75.86	FEB. 21, 1980	74.23	MAY 27, 1980	73.73	AUG. 26, 1980	77.33
DEC. 26	75.88	MAR. 20	75.29	JUNE 23	75.17	SEP. 22	77.35
JAN. 22, 1980	75.56	APR. 16	73.69	JULY 22	76.68		

TENSAS PARISH

320431091144801 LOCAL WELL NUMBER: TS-8

OWNER: E. R. MCDONALD. (SEC. 4, T. 13N., R. 12E.) DRILLED UNUSED SEMIARTESIAN WELL IN THE MISSISSIPPI RIVER ALLUVIAL AQUIFER OF PLEISTOCENE AGE, DIAM 12 IN, DEPTH 110 FT, SCREENED INTERVAL UNKNOWN. MP TOP OF CASING, 1.00 FT ABOVE LSD.
LSD 79.60 FT NGVD.
HIGHEST WATER LEVEL 2.05 BELOW LSD, MAY 30, 1979,
LOWEST WATER LEVEL 17.18 BELOW LSD, DEC. 18, 1956.
RECORDS AVAILABLE 1955-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 28, 1979	11.51	MAR. 5, 1980	11.07	JUNE 2, 1980	8.90	SEP. 10, 1980	13.05

314827091234001 LOCAL WELL NUMBER: TS-9

OWNER: CHICAGO MILL AND LUMBER CO. (SEC. 37, T. 10N., R. 10E.) DRILLED UNUSED SEMIARTESIAN WELL IN THE MISSISSIPPI RIVER ALLUVIAL AQUIFER OF PLEISTOCENE AGE, DIAM 4 IN, DEPTH 102 FT, SCREENED INTERVAL UNKNOWN. MP BOTTOM OF 3/4-IN HOLE ON SIDE OF CASING, 0.30 FT ABOVE LSD.
LSD 65.00 FT NGVD.
HIGHEST WATER LEVEL 0.71 ABOVE LSD, MAY 16, 1973,
LOWEST WATER LEVEL 25.38 BELOW LSD, DEC. 18, 1956.
RECORDS AVAILABLE 1955-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 28, 1979	12.52	MAR. 5, 1980	14.08	JUNE 2, 1980	9.87	SEP. 10, 1980	17.82

324417092090001 LOCAL WELL NUMBER: UN-26

OWNER: MANVILLE FOREST PRODUCTS. (SEC. 10, T. 20N., R. 3E.) DRILLED UNUSED ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 8 IN, DEPTH 750 FT, SCREENED 675-750. MP TOP OF 3/4-IN COLLAR, 1.50 FT ABOVE LSD.
LSD 133.92 FT NGVD.
HIGHEST WATER LEVEL 141.11 BELOW LSD, JULY 26, 1959.
LOWEST WATER LEVEL 177.85 BELOW LSD, SEP. 17, 1980.
RECORDS AVAILABLE 1956-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 3, 1979	175.80	MAY 28, 1980	176.68	SEP. 17, 1980	177.85		

325028092113301 LOCAL WELL NUMBER: UN-78

OWNER: U. S. GEOL. SURVEY. (SEC. 6, T. 21N., R. 3E.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN, DEPTH 727 FT, SCHEENED 717-727. MP TOP OF CASING, 1.53 FT ABOVE LSD.
LSD 175.00 FT NGVD.
HIGHEST WATER LEVEL 178.85 BELOW LSD, MAR. 25, 1969.
LOWEST WATER LEVEL 196.62 BELOW LSD, SEP. 24, 1980.
RECORDS AVAILABLE 1969-71, 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 13, 1980	195.03	MAY 20	194.30	SEP. 24, 1980	196.62		

324955092084001 LOCAL WELL NUMBER: UN-79

OWNER: U. S. GEOL. SURVEY. (SEC. 3, T. 21N., R. 3E.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN, DEPTH 749 FT, SCREENED 739-749. MP TOP OF BUSHING, 3.40 FT ABOVE LSD.
LSD 118.00 FT NGVD.
HIGHEST WATER LEVEL 134.31 BELOW LSD, MAY 13, 1969.
LOWEST WATER LEVEL 146.84 BELOW LSD, SEP. 24, 1980.
RECORDS AVAILABLE 1968-71, 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 13, 1980	145.28	MAY 20	144.95	SEP. 24, 1980	146.84		

324917092242001 LOCAL WELL NUMBER: UN-80

OWNER: U. S. GEOL. SURVEY. (SEC. 7, T. 21N., R. 1E.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN, DEPTH 710 FT, SCREENED 700-710. MP TOP OF CASING, 3.75 FT ABOVE LSD.
LSD 190.00 FT NGVD.
HIGHEST WATER LEVEL 183.65 BELOW LSD, OCT. 8, 1968.
LOWEST WATER LEVEL 212.93 BELOW LSD, AUG. 27, 1980.
RECORDS AVAILARLF 1968-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 3, 1979	209.95	FEB. 22, 1980	209.68	MAY 20, 1980	210.26	AUG. 27, 1980	212.93

324917092242002 LOCAL WELL NUMBER: UN-81

OWNER: U. S. GEOL. SURVEY. (SEC. 7, T. 21N., R. 1E.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN, DEPTH 495 FT, SCREENED 485-495. MP TOP OF CASING, 3.83 FT ABOVE LSD.
LSD 190.00 FT NGVD.
HIGHEST WATER LEVEL 182.27 BELOW LSD, MAR. 2, 1970.
LOWEST WATER LEVEL 220.36 BELOW LSD, AUG. 27, 1980.
RECORDS AVAILABLE 1968-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 3, 1979	217.17	FEB. 22, 1980	213.39	MAY 20, 1980	210.28	AUG. 27, 1980	220.36

325550092391601 LOCAL WELL NUMBER: UN-82

OWNER: U. S. GEOL. SURVEY. (SEC. 2, T. 22N., R. 3W.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN, DEPTH 656 FT, SCREENED 646-656. MP TOP OF CASING, 1.25 FT ABOVE LSD.
LSD 122.00 FT NGVD.
HIGHEST WATER LEVEL 117.57 BELOW LSD, SEP. 9, 1968,
LOWEST WATER LEVEL 150.15 BELOW LSD, DEC. 3, 1979.
RECORDS AVAILABLE 1968-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 3, 1979	150.15	FEB. 22, 1980	147.10	MAY 20, 1980	145.78	AUG. 26, 1980	147.10

325550092391602 LOCAL WELL NUMBER: UN-83

OWNER: U. S. GEOL. SURVEY. (SEC. 2, T. 22N., R. 3W.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN, DEPTH 326 FT, SCREENED 316-326. MP TOP OF CASING, 3.88 FT ABOVE LSD.
LSD 122.00 FT NGVD.
HIGHEST WATER LEVEL 111.29 BELOW LSD, OCT. 8, 1968,
LOWEST WATER LEVEL 144.91 BELOW LSD, AUG. 26, 1980.
RECORDS AVAILABLE 1968-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 3, 1979	143.52	FEB. 22, 1980	140.12	MAY 20, 1980	144.14	AUG. 26, 1980	144.91

325647092241501 LOCAL WELL NUMBER: UN-84

OWNER: U. S. GEOL. SURVEY. (SEC. 30, T. 23N., R. 1E.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN, DEPTH 696 FT, SCREENED 686-696. MP TOP OF CASING, 3.00 FT ABOVE LSD.
LSD 210.00 FT NGVD.
HIGHEST WATER LEVEL 196.09 BELOW LSD, OCT. 17, 1968,
LOWEST WATER LEVEL 222.05 BELOW LSD, SEP. 24, 1980.
RECORDS AVAILABLE 1968-71, 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 27, 1980	219.92	MAY 20	219.73	SEP. 24, 1980	222.05		

325938092203901 LOCAL WELL NUMBER: UN-85

OWNER: U. S. GEOL. SURVEY. (SEC. 11, T. 23N., R. 1E.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN, DEPTH 407 FT, SCREENED 397-407. MP TOP OF CASING, 2.90 FT ABOVE LSD.
LSD 260.00 FT NGVD.
HIGHEST WATER LEVEL 179.06 BELOW LSD, OCT. 17, 1968,
LOWEST WATER LEVEL 194.58 BELOW LSD, SEP. 24, 1980.
RECORDS AVAILABLE 1968-71, 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 27, 1980	192.36	MAY 20	191.07	SEP. 24, 1980	194.58		

325929092114001 LOCAL WELL NUMBER: UN-86

OWNER: U. S. GEOL. SURVEY. (SEC. 7, T. 23N., R. 3E.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN, DEPTH 655 FT, SCREENED 645-655. MP TOP OF CASING, 1.58 FT ABOVE LSD.
LSD 90.00 FT NGVD.
HIGHEST WATER LEVEL 69.69 BELOW LSD, NOV. 12, 1968,
LOWEST WATER LEVEL 88.34 BELOW LSD, SEP. 24, 1980.
RECORDS AVAILABLE 1968-71, 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 27, 1980	86.20	MAY 20	85.46	SEP. 24, 1980	88.34		

UNION PARISH

325929092114002 LOCAL WELL NUMBER: UN-87

OWNER: U. S. GEOL. SURVEY. (SEC. 7, T. 23N., R. 3E.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE. DIAM 2 IN, DEPTH 283 FT. SCREENED 273-283. MP TOP OF CASING, 4.35 FT ABOVE LSD.
LSD 90.00 FT NGVD.
HIGHEST WATER LEVEL 24.38 BELOW LSD, DEC. 16, 1968.
LOWEST WATER LEVEL 40.25 BELOW LSD, SEP. 24, 1980.
RECORDS AVAILABLE 1968-71, 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 27, 1980	38.78	MAY 20	38.80	SEP. 24, 1980	40.25		

323655092211701 LOCAL WELL NUMBER: UN-134

OWNER: U. S. GEOL. SURVEY, (SEC. 22, T. 19N., R. 1E.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN, DEPTH 585 FT. SCREENED 575-585. MP TOP OF BUSHING, 4.00 FT ABOVE LSD.
LSD 220.00 FT NGVD.
HIGHEST WATER LEVEL 269.11 BELOW LSD, JUNE 14, 1979.
LOWEST WATER LEVEL 273.05 BELOW LSD, SEP. 13, 1979.
RECORDS AVAILABLE 1979-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 13, 1979	272.20	APR. 4, 1980	272.75	AUG. 1, 1980	272.10	AUG. 27, 1980	271.10
FEB. 13, 1980	272.92	MAY 20	272.21				

VERNON PARISH

310251093125501 LOCAL WELL NUMBER: V-108

OWNER: U. S. ARMY, FORT POLK, (SEC. 20, T. 1N., R. 8W.) DRILLED UNUSED ARTESIAN WELL IN THE WILLIAMSON CREEK MEMBER OF THE FLEMING FM. OF MIOCENE AGE, DIAM 8 IN, DEPTH 675 FT, SCREENED 640-675. MP TOP OF CASING, 1.50 FT ABOVE LSD.
LSD 305.30 FT NGVD.
HIGHEST WATER LEVEL 143.26 BELOW LSD, JULY 10, 1961.
LOWEST WATER LEVEL 212.14 BELOW LSD, AUG. 26, 1979.
RECORDS AVAILABLE 1941, 1943, 1958-61, 1963-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 1, 1979	204.86H	JAN. 5, 1980	185.37	APR. 10, 1980	198.45	JULY 5, 1980	202.00
OCT. 5	205.52J	JAN. 10	185.57	APR. 15	199.51	JULY 10	207.36
OCT. 10	202.45	JAN. 15	185.33	APR. 18	202.28J	JULY 11	207.81H
OCT. 15	196.87	JAN. 20	185.22	APR. 20	197.78	JULY 15	208.66
OCT. 20	194.32	JAN. 25	184.79	APR. 22	198.76H	JULY 20	210.05
OCT. 25	191.60	JAN. 28	184.67J	APR. 24	197.71J	JULY 21	210.39J
OCT. 31	190.75	JAN. 29	185.34H	APR. 25	199.11	JULY 25	208.34
NOV. 1	190.48H	JAN. 31	184.38	APR. 30	200.18	JULY 31	208.13
NOV. 5	193.53	FEB. 5	183.72	MAY 5	201.71	AUG. 5	207.61
NOV. 9	196.62J	FEB. 10	183.15	MAY 10	201.50	AUG. 10	207.95
NOV. 10	196.38	FEB. 15	183.05	MAY 15	201.96	AUG. 15	208.00
NOV. 15	195.33	FEB. 20	182.45	MAY 20	203.27	AUG. 20	207.34
NOV. 20	190.77	FEB. 25	182.93	MAY 25	202.05	AUG. 25	208.88
NOV. 25	189.12	FEB. 29	182.97	MAY 31	204.49	AUG. 31	208.32
NOV. 30	188.08	MAR. 4	182.90H	JUNE 2	204.90H	SEP. 4	205.67J
DEC. 5	187.51	MAR. 5	182.75	JUNE 5	205.68	SEP. 5	206.29
DEC. 10	187.14	MAR. 10	182.45J	JUNE 10	205.52	SEP. 10	207.23
DEC. 14	186.74J	MAR. 15	185.38	JUNE 15	204.01	SEP. 15	207.80
DEC. 15	186.69	MAR. 20	192.46	JUNE 18	198.60J	SEP. 20	208.49
DEC. 20	186.31	MAR. 25	192.51	JUNE 20	201.77	SEP. 25	208.46
DEC. 25	185.84	MAR. 31	193.81	JUNE 25	204.34	SEP. 30	208.16
DEC. 31	185.58	APR. 5	196.77	JUNE 30	204.84		

See footnotes at end of table.

VERNON PARISH

310708093100901 LOCAL WELL NUMBER: V-126

OWNER: U. S. ARMY, FORT POLK. (SEC. 27, T. 2N., R. 8W.) DRILLED UNUSED ARTESIAN WELL IN THE CARNAHAN BAYOU MEMBER OF THE FLEMING FM. OF MIOCENE AGE, DIAM 12 IN, DEPTH 1278 FT, SCREENED 1192-1278. MP TOP OF CASING, 2.00 FT ABOVE LSD.
LSD 338.00 FT NGVD.
HIGHEST WATER LEVEL 136.61 BELOW LSD, MAR. 5, 1943,
LOWEST WATER LEVEL 177.33 BELOW LSD, JAN. 11, 1975.
RECORDS AVAILABLE 1943, 1966-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 1, 1979	172.53H	JAN. 10, 1980	171.06	APR. 10, 1980	170.79	JUNE 25, 1980	171.03
OCT. 5	173.18	JAN. 15	171.17	APR. 13	169.92J	JUNE 30	171.43
OCT. 8	171.88J	JAN. 20	170.98	APR. 15	170.27	JULY 5	171.21
OCT. 10	173.28	JAN. 25	171.32	APR. 20	170.21	JULY 10	170.77
OCT. 15	173.42	JAN. 30	171.77	APR. 22	170.16H	JULY 11	170.65H
OCT. 20	173.17	FEB. 2	172.09J	APR. 25	170.55	JULY 15	171.95
OCT. 25	173.54J	FEB. 5	171.29	APR. 30	170.29	JULY 20	171.42
OCT. 31	172.22	FEB. 10	171.05	MAY 3	169.86J	JULY 25	174.03
NOV. 1	172.30H	FEB. 15	171.20	MAY 5	170.20	JULY 31	171.70
NOV. 5	173.01	FEB. 20	170.30	MAY 10	170.65	AUG. 5	172.09
NOV. 10	172.27	FEB. 25	170.59	MAY 15	170.42	AUG. 10	174.16J
NOV. 15	173.03	FEB. 29	171.21	MAY 20	170.38	AUG. 15	173.17
NOV. 20	173.20	MAR. 3	171.02J	MAY 23	172.65J	AUG. 20	172.94
NOV. 25	171.48	MAR. 4	170.67H	MAY 25	170.20	AUG. 25	172.85
NOV. 30	171.97	MAR. 5	171.35	MAY 31	171.09	AUG. 31	171.74
DEC. 5	172.19	MAR. 10	170.43	JUNE 2	171.09H	SEP. 5	171.15
DEC. 10	171.57	MAR. 15	170.98	JUNE 4	170.36J	SEP. 10	171.01
DEC. 14	172.25J	MAR. 20	170.51	JUNE 5	170.76	SEP. 15	169.26
DEC. 15	171.15	MAR. 25	170.64	JUNE 10	170.72	SEP. 17	169.10J
DEC. 20	171.42	MAR. 31	171.00	JUNE 12	173.57J	SEP. 20	170.79
DEC. 25	171.34	APR. 5	171.14	JUNE 15	171.08	SEP. 25	171.21
DEC. 31	171.17	APR. 8	172.51J	JUNE 20	171.17	SEP. 30	172.05
JAN. 5, 1980	171.66						

311213093322801 LOCAL WELL NUMBER: V-412

OWNER: U. S. GEOL. SURVEY, (SEC. 25, T. 3N., R. 12W.) DRILLED OBSERVATION ARTESIAN WELL IN THE CARNAHAN BAYOU MEMBER OF THE FLEMING FM. OF MIOCENE AGE, DIAM 2 IN, DEPTH 47 FT, SCREENED 42-47. MP TOP OF CASING, 1.00 FT ABOVE LSD.
LSD 121.00 FT NGVD.
HIGHEST WATER LEVEL 10.90 BELOW LSD, AUG. 12, 1975,
LOWEST WATER LEVEL 14.25 BELOW LSD, DEC. 5, 1967.
RECORDS AVAILABLE 1965-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 13, 1979	12.51	JAN. 29, 1980	12.61	APR. 23, 1980	12.10	JULY 8, 1980	12.20
DEC. 18	12.45	MAR. 11	12.62	MAY 28	11.81	SEP. 11	12.82

311213093322802 LOCAL WELL NUMBER: V-413

OWNER: U. S. GEOL. SURVEY, (SEC. 25, T. 3N., R. 12W.) DRILLED OBSERVATION ARTESIAN WELL IN THE CARNAHAN BAYOU MEMBER OF THE FLEMING FM. OF MIOCENE AGE, DIAM 2 IN, DEPTH 360 FT, SCREENED 355-360. MP TOP OF CASING, 2.70 FT ABOVE LSD.
LSD 120.00 FT NGVD.
HIGHEST WATER LEVEL 31.40 ABOVE LSD, MAY 25, 1976,
LOWEST WATER LEVEL 28.20 ABOVE LSD, FEB. 9, 1978.
RECORDS AVAILABLE 1965-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 13, 1979	+ 28.70	JAN. 29, 1980	+ 29.30	APR. 23, 1980	+ 30.10	JULY 8, 1980	+ 29.70
DEC. 18	+ 28.90	MAR. 11	+ 29.40	MAY 28	+ 29.90	SEP. 11	+ 28.90

311411093323601 LOCAL WELL NUMBER: V-414

OWNER: U. S. GEOL. SURVEY, (SEC. 13, T. 3N., R. 12W.) DRILLED OBSERVATION ARTESIAN WELL IN THE CATAHOULA FM. OF MIOCENE AGE, DIAM 2 IN, DEPTH 172 FT, SCREENED 167-172. MP TOP OF CASING, 1.20 FT ABOVE LSD.
LSD 160.00 FT NGVD.
HIGHEST WATER LEVEL 34.61 BELOW LSD, MAY 19, 1975,
LOWEST WATER LEVEL 42.07 BELOW LSD, OCT. 28, 1965.
RECORDS AVAILABLE 1965-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 13, 1979	39.85	JAN. 29, 1980	38.32	APR. 23, 1980	36.39	JULY 8, 1980	38.34
DEC. 19	39.00	MAR. 11	37.40	MAY 28	35.96	SEP. 11	40.33

See footnotes at end of table.

311201093080203 LOCAL WELL NUMBER: V-425R

OWNER: U. S. GEOL. SURVEY, (SEC. 36, T. 3N., R. 8W.) DRILLED OBSERVATION ARTESIAN WELL IN THE CATAHOULA FM. OF MIOCENE AGE, DIAM 2 IN, DEPTH 1404 FT, SCREENED 1394-1404, MP TOP OF BUSHING, 3.90 FT ABOVE LSD.
LSD 305.00 FT NGVD.
HIGHEST WATER LEVEL 164.66 BELOW LSD, JAN. 31, 1980.
LOWEST WATER LEVEL 166.40 BELOW LSD, SEP. 11, 1980.
RECORDS AVAILABLE 1968-75, 1979-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 1, 1979	164.86	JAN. 31, 1980	164.66	APR. 22, 1980	165.20	JULY 11, 1980	165.87
DEC. 14	164.76	MAR. 4	165.08	JUNE 2	165.34	SEP. 11	166.40

311201093080202 LOCAL WELL NUMBER: V-426

OWNER: U. S. GEOL. SURVEY, (SEC. 36, T. 3N., R. 8W.) DRILLED OBSERVATION ARTESIAN WELL IN THE CARNAHAN BAYOU MEMBER OF THE FLEMING FM. OF MIOCENE AGE, DIAM 2 IN, DEPTH 915 FT, SCREENED 905-915. MP TOP OF CASING, 3.40 FT ABOVE LSD.
LSD 305.00 FT NGVD.
HIGHEST WATER LEVEL 112.08 BELOW LSD, NOV. 21, 1969.
LOWEST WATER LEVEL 131.43 BELOW LSD, SEP. 11, 1980.
RECORDS AVAILABLE 1967-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 1, 1979	129.44	JAN. 31, 1980	129.51	APR. 22, 1980	129.55	JULY 11, 1980	130.24
DEC. 14	130.08	MAR. 4	129.30	JUNE 2	129.70	SEP. 11	131.43

311544093002501 LOCAL WELL NUMBER: V-427

OWNER: U. S. GEOL. SURVEY, (SEC. 5, T. 3N., R. 6W.) DRILLED OBSERVATION ARTESIAN WELL IN THE CATAHOULA FM. OF MIOCENE AGE, DIAM 2 IN, DEPTH 1230 FT, SCREENED 1220-1230, MP TOP OF CASING, 3.85 FT ABOVE LSD.
LSD 290.00 FT NGVD.
HIGHEST WATER LEVEL 157.59 BELOW LSD, MAY 2, 1968.
LOWEST WATER LEVEL 169.94 BELOW LSD, SEP. 11, 1980.
RECORDS AVAILABLE 1967-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 1, 1979	168.20	JAN. 31, 1980	168.73	APR. 22, 1980	168.77	JULY 11, 1980	169.55
DEC. 14	168.64	MAR. 4	168.68	JUNE 2	168.88	SEP. 11	169.94

311544093002502 LOCAL WELL NUMBER: V-428

OWNER: U. S. GEOL. SURVEY, (SEC. 5, T. 3N., R. 6W.) DRILLED OBSERVATION ARTESIAN WELL IN THE CARNAHAN BAYOU MEMBER OF THE FLEMING FM. OF MIOCENE AGE, DIAM 2 IN, DEPTH 925 FT, SCREENED 915-925. MP TOP OF CASING, 3.90 FT ABOVE LSD.
LSD 290.00 FT NGVD.
HIGHEST WATER LEVEL 100.97 BELOW LSD, MAY 2, 1968.
LOWEST WATER LEVEL 113.76 BELOW LSD, JULY 11, 1980.
RECORDS AVAILABLE 1967-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 1, 1979	112.01	JAN. 31, 1980	111.74	APR. 22, 1980	111.54	JULY 11, 1980	113.76
DEC. 14	111.98	MAR. 4	111.83	JUNE 2	111.80	SEP. 11	113.49

WEBSTER PARISH

325752093271001 LOCAL WELL NUMBER: WB-27

OWNER: INTERNATIONAL PAPER CO. (SEC. 25, T. 23N., R. 11W.) DRILLED UNUSED ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 18 TO 12 IN, DEPTH 311 FT, SCREENED 231-311. MP TOP OF CASING, 0.22 FT ABOVE LSD. (RECORDER REMOVED 1/28/80.)
LSD 245.00 FT NGVD.
HIGHEST WATER LEVEL 52.00 BELOW LSD, OCT. 7, 1937.
LOWEST WATER LEVEL 169.20 BELOW LSD, OCT. 18, 1947.
RECORDS AVAILABLE 1937, 1947-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 2, 1979	58.28J	NOV. 15, 1979	57.83	DEC. 20, 1979	58.36	JAN. 20, 1980	58.34
OCT. 5	58.18	NOV. 20	57.83	DEC. 25	58.83	FEB. 14	58.56
OCT. 10	58.06	NOV. 25	57.48	DEC. 28	58.89J	APR. 8	56.38
OCT. 15	57.99	NOV. 27	57.44J	DEC. 31	58.73	MAY 13	56.02
OCT. 20	57.93	NOV. 30	57.59	JAN. 2, 1980	58.56H	MAY 21	55.81
OCT. 25	58.00	DEC. 5	57.59	JAN. 5	58.52	JUNE 24	56.26
OCT. 31	57.87	DEC. 6	57.59H	JAN. 10	58.27	JULY 28	59.08
NOV. 5	57.95	DEC. 10	57.81	JAN. 15	58.12	SEP. 4	60.12
NOV. 10	57.73	DEC. 15	57.83				

324612093230701 LOCAL WELL NUMBER: WB-96

OWNER: COTTON VALLEY OIL CO. (SEC. 34, T. 21N., R. 10W.) DRILLED UNUSED ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 6 IN, DEPTH 89 FT, SCREENED INTERVAL UNKNOWN. MP TOP OF 1-IN AIR LINE, 3.00 FT ABOVE LSD.
LSD 218.00 FT NGVD.
HIGHEST WATER LEVEL 18.99 BELOW LSD, JULY 16, 1975.
LOWEST WATER LEVEL 36.18 BELOW LSD, SEP. 11, 1967.
RECORDS AVAILABLE 1948-67, 1969-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 4, 1980	30.24	AUG. 29	31.45				

323553093141101 LOCAL WELL NUMBER: WB-285

OWNER: U. S. GEOL. SURVEY. (SEC. 31, T. 19N., R. 8W.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 4 TO 2 IN, DEPTH 608 FT, SCREENED 598-608. MP HOLE IN CASING CAP, 3.85 FT ABOVE LSD.
LSD 340.00 FT NGVD.
HIGHEST WATER LEVEL 151.67 BELOW LSD, APR. 14, 1970.
LOWEST WATER LEVEL 187.99 BELOW LSD, FEB. 16, 1971.
RECORDS AVAILABLE 1969-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 29, 1980	177.80	MAY 20	175.32	AUG. 27, 1980	182.57		

325200093151701 LOCAL WELL NUMBER: WB-326

OWNER: U. S. GEOL. SURVEY (SEC. 25, T. 22N., R. 9W.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN, DEPTH 470 FT, SCREENED 460-470. MP TOP OF BUSHING, 3.20 FT ABOVE LSD.
LSD 260.00 FT NGVD.
HIGHEST WATER LEVEL 106.99 BELOW LSD, JUNE 4, 1976.
LOWEST WATER LEVEL 113.30 BELOW LSD, AUG. 28, 1980.
RECORDS AVAILABLE 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 6, 1979	111.81	FEB. 14, 1980	111.25	MAY 21, 1980	111.82	AUG. 28, 1980	113.30

330040093190001 LOCAL WELL NUMBER: WB-338

OWNER: U. S. GEOL. SURVEY. (SEC. 5, T. 23N., R. 9W.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN, DEPTH 425 FT, SCREENED 415-425. MP TOP OF CASING, 3.70 FT ABOVE LSD.
LSD 230.00 FT NGVD.
HIGHEST WATER LEVEL 90.38 BELOW LSD, MAR. 15, 1977.
LOWEST WATER LEVEL 100.06 BELOW LSD, DEC. 6, 1979.
RECORDS AVAILABLE 1975-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 6, 1979	100.06	FEB. 29, 1980	99.30	MAY 21, 1980	93.13	AUG. 28, 1980	97.21

See footnotes at end of table.

WEBSTER PARISH

324528093153501 LOCAL WELL NUMBER: WB-398

OWNER: U. S. GEOL. SURVEY, (SEC. 2, T. 20N.,R. 9W.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN, DEPTH 560 FT, SCREENED 550-560, MP TOP OF BUSHING, 3.50 FT ABOVE LSD.
LSD 260.00 FT NGVD.
HIGHEST WATER LEVEL 100.10 BELOW LSD, JULY 19, 1979.
LOWEST WATER LEVEL 101.73 BELOW LSD, MAY 12, 1980.
RECORDS AVAILABLE 1978-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 6, 1979	100.53	MAR. 31, 1980	100.50	MAY 21, 1980	100.57	JULY 28, 1980	101.21
JAN. 2, 1980	101.19	MAY 12	101.73	JUNE 23	100.46	AUG. 28	101.72
FEB. 14	100.82						

325518093221901 LOCAL WELL NUMBER: WB-399

OWNER: U. S. GEOL. SURVEY, (SEC. 2, T. 22N.,R. 10W.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN, DEPTH 298 FT, SCREENED 288-298, MP TOP OF BUSHING, 3.50 FT ABOVE LSD.
LSD 205.00 FT NGVD.
HIGHEST WATER LEVEL 44.00 BELOW LSD, MAY 13, 1980.
LOWEST WATER LEVEL 46.08 BELOW LSD, SEP. 4, 1980.
RECORDS AVAILABLE 1979-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 6, 1979	45.08	FEB. 14, 1980	45.40	MAY 13, 1980	44.00	JULY 28, 1980	45.10
JAN. 2, 1980	45.10	MAR. 31	45.22	JUNE 23	44.19	SEP. 4	46.08

WEST CARROLL PARISH

324508091252301 LOCAL WELL NUMBER: WC-36

OWNER: U. S. GEOL. SURVEY, (SEC. 2, T. 20N., R. 10E.) DRILLED OBSERVATION ARTESIAN WELL IN THE COCKFIELD FM. OF EOCENE AGE, DIAM 4 IN, DEPTH 383 FT, SCREENED 377-383, MP TOP OF CASING COLLAR, 1.10 FT ABOVE LSD.
LSD 106.35 FT NGVD.
HIGHEST WATER LEVEL 28.13 BELOW LSD, MAR. 19, 1963.
LOWEST WATER LEVEL 32.39 BELOW LSD, MAR. 9, 1971, SEP. 7, 1972.
RECORDS AVAILABLE 1955-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP. 3, 1980	31.95						

WINN PARISH

315524092381301 LOCAL WELL NUMBER: W-3

OWNER: CITY OF WINNFIELD, (SEC. 23, T. 11N., R. 3W.) DRILLED UNUSED ARTESIAN WELL IN THE COCKFIELD FM. OF EOCENE AGE, DIAM 8 IN, DEPTH APPROXIMATELY 120 FT, SCREENED INTERVAL UNKNOWN, MP TOP EDGE OF SHELTER FLOOR, 2.20 FT ABOVE LSD.
LSD 135.00 FT NGVD.
HIGHEST WATER LEVEL 14.93 BELOW LSD, MAY 7, 1961.
LOWEST WATER LEVEL 30.32 BELOW LSD, DEC. 1, 1949.
RECORDS AVAILABLE 1949, 1957-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 7, 1979	17.69	FEB. 27, 1980	17.08	MAY 24, 1980	16.94	SEP. 5, 1980	17.94

315525092375601 LOCAL WELL NUMBER: W-16

OWNER: CITY OF WINNFIELD, (SEC. 24, T. 11N., R. 3W.) DRILLED UNUSED ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 8 IN, DEPTH 583 FT, SCREENED 553-583, MP TOP OF CASING, AT LSD.
LSD 135.00 FT NGVD.
HIGHEST WATER LEVEL 48.00 BELOW LSD, MAY 27, 1952.
LOWEST WATER LEVEL 85.05 BELOW LSD, JUNE 20, 1970.
RECORDS AVAILABLE 1952, 1969-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 7, 1979	78.28	FEB. 22, 1980	80.98	MAY 8, 1980	76.09	JULY 29, 1980	82.14
JAN. 11, 1980	77.05	APR. 3	76.02	MAY 19	75.95	SEP. 5	83.35

WINN PARISH

315458092310102 LOCAL WELL NUMBER: W-144B

OWNER: LA. OFFICE PUBLIC WORKS, (SEC. 19, T. 11N., R. 1W.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN, DEPTH 550 FT, SCREENED 540-550, MP TOP OF CASING, 1.00 FT ABOVE LSD.
LSD 140.00 FT NGVD.
HIGHEST WATER LEVEL 37.07 BELOW LSD, MAR. 8, 1978.
LOWEST WATER LEVEL 58.33 BELOW LSD, NOV. 5, 1971.
RECORDS AVAILABLE 1971-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 7, 1979	38.70	FEB. 22, 1980	38.22	MAY 19, 1980	37.81	SEP. 5, 1980	38.55

320619092341601 LOCAL WELL NUMBER: W-156

OWNER: U. S. GEOL. SURVEY, (SEC. 16, T. 13N., R. 2W.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN, DEPTH 829 FT, SCREENED 819-829, MP TOP OF CASING, 3.00 FT ABOVE LSD.
LSD 257.00 FT NGVD.
HIGHEST WATER LEVEL 196.18 BELOW LSD, MAR. 25, 1976.
LOWEST WATER LEVEL 201.53 BELOW LSD, SEP. 4, 1980.
RECORDS AVAILABLE 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 7, 1979	198.30	FEB. 22, 1980	198.83	MAY 19, 1980	198.19	SEP. 4, 1980	201.53

320541092291601 LOCAL WELL NUMBER: W-172

OWNER: U. S. GEOL. SURVEY, (SEC. 20, T. 13N., R. 1W.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN, DEPTH 655 FT, SCREENED 645-655, MP TOP OF BUSHING, 4.00 FT ABOVE LSD.
LSD 140.00 FT NGVD.
HIGHEST WATER LEVEL 81.68 BELOW LSD, MAR. 2, 1979.
LOWEST WATER LEVEL 83.43 BELOW LSD, SEP. 5, 1980.
RECORDS AVAILABLE 1979-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 7, 1979	82.63	FEB. 22, 1980	82.34	MAY 19, 1980	82.33	SEP. 5, 1980	83.43
JAN. 11, 1980	82.41	APR. 3	82.35	JULY 28	82.95		

315338092400001 LOCAL WELL NUMBER: W-177

OWNER: U. S. GEOL. SURVEY, (SEC. 34, T. 11N., R. 3W.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN, DEPTH 695 FT, SCREENED 685-695, MP TOP OF BUSHING, 4.00 FT ABOVE LSD.
LSD 185.00 FT NGVD.
HIGHEST WATER LEVEL 60.64 BELOW LSD, MAY 19, 1980.
LOWEST WATER LEVEL 62.48 BELOW LSD, FEB. 21, 1980.
RECORDS AVAILABLE 1979-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 26, 1979	62.04	FEB. 21, 1980	62.48	APR. 3, 1980	61.60	MAY 19, 1980	60.64
DEC. 10	62.40	FEB. 22	62.46	MAY 8	60.89	SEP. 4	60.67

320048092392101 LOCAL WELL NUMBER: W-178

OWNER: U. S. GEOL. SURVEY, (SEC. 22, T. 12N., R. 3W.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN, DEPTH 598 FT, SCREENED 588-598, MP TOP OF BUSHING, 5.00 FT ABOVE LSD.
LSD 135.00 FT NGVD.
HIGHEST WATER LEVEL 64.70 BELOW LSD, MAY 19, 1980.
LOWEST WATER LEVEL 67.35 BELOW LSD, SEP. 5, 1980.
RECORDS AVAILABLE 1979-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 10, 1979	66.47	FEB. 22, 1980	65.74	MAY 19, 1980	64.70	SEP. 5, 1980	67.35
FEB. 21, 1980	65.73	MAY 7	65.38	JULY 28	66.88		

315948092300301 LOCAL WELL NUMBER: W-179

OWNER: U. S. GEOL. SURVEY. (SEC. 29, T. 12N., R. 1W.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN, DEPTH 585 FT, SCREENED 575-585. MP TOP OF BUSHING, 4.00 FT ABOVE LSD.
LSD 195.00 FT NGVD.
HIGHEST WATER LEVEL 105.96 BELOW LSD, MAY 19, 1980.
LOWEST WATER LEVEL 106.89 BELOW LSD, SEP. 5, 1980.
RECORDS AVAILABLE 1979-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 10, 1979	106.60	FEB. 22, 1980	106.13	MAY 7, 1980	106.10	JULY 28, 1980	106.02
FEB. 21, 1980	106.21	APR. 3	106.27	MAY 19	105.96	SEP. 5	106.89

+ Above land-surface datum.
A Well being pumped.
C Nearby well or wells being pumped.
D Nearby well or wells pumped recently.
H Tape measurement (recorder).
J Recorder measurement for a time other than noon.

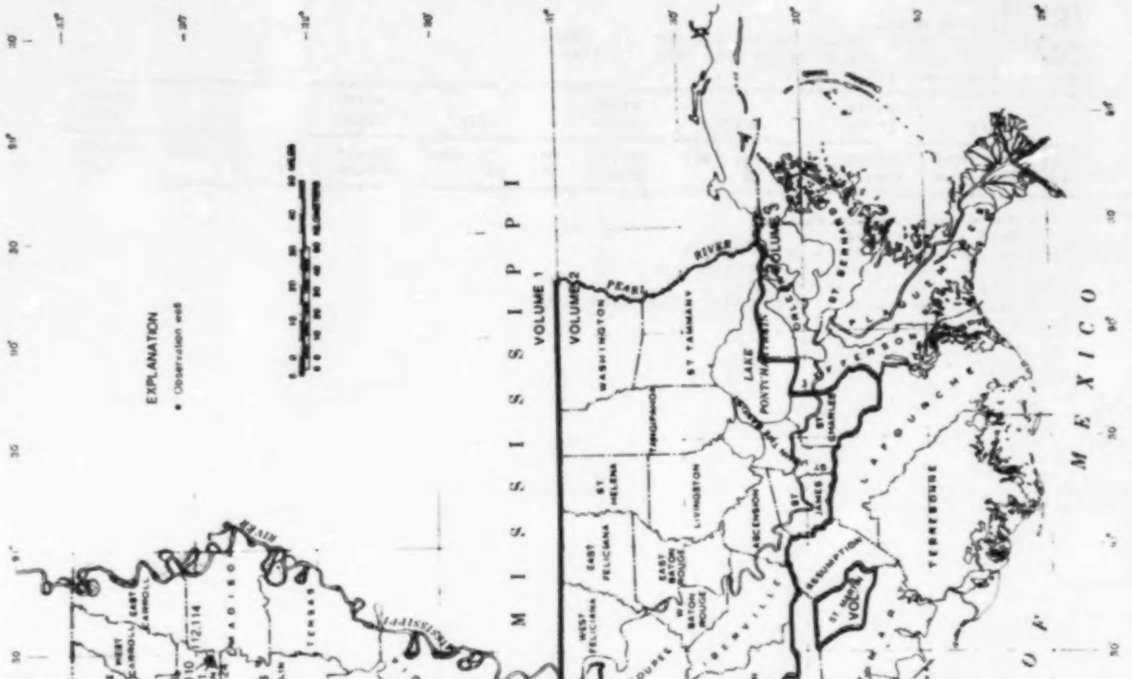
ARKANSAS
MISSISSIPPI
TEXAS
GULF OF MEXICO
EXPLANATION
• Observation well
0 10 20 30 40 50 MILES
0 10 20 30 40 50 60 KILOMETERS
VOLUME 1
VOLUME 2
VOLUME 3
CADDO
BOSSIER
WEBSTER
CLAIBORNE
UNION
MOREHOUSE
WEST CARROLL
EAST CARROLL
LINCOLN
OUACHITA
RICHLAND
MADISON
JACKSON
BIENVILLE
DE SOTO
RED RIVER
NATCHITOCHES
WINN
CALDWELL
FRANKLIN
TENSAS
LA SALLE
CATAHOULA
CONCORDIA
GRANT
RAPIDES
AVOYELLES
SABINE
VERNON
BEAUREGARD
ALLEN
EVANGELINE
ST LANDRY
POINTE COUPEE
WEST FELICIANA
EAST FELICIANA
ST HELENA
TANGIPAHOA
WASHINGTON
ST TAMMANY
LIVINGSTON
EAST BATON ROUGE
WEST BATON ROUGE
IBERVILLE
ASCENSION
ST JAMES
ST JOHN
ST CHARLES
ORLEANS
ST BERNARD
PLAQUEMINES
JEFFERSON
LAFOURCHE
TERREBONNE
ASSUMPTION
ST MARTIN
IBERIA
ST MARY
LAFAYETTE
ACADIA
VERMILION
JEFFERSON DAVIS
CALCASIEU
CAMERON
LAKE PONTCHARTRAIN
PEARL RIVER
SABINE RIVER
MISSISSIPPI RIVER
252A,B,C,D
225
178
179
177
235A,B,C
232A,B
233
216
218
215
502
456
457
99
340
22
237
434
678
696
18
460
481
482
485
110
111
112,114
92,368
40

Figure 7.—Location of wells for which water-quality data are included in this report.

CHEMICAL ANALYSES, OCTOBER 1979 TO SEPTEMBER 1980

LOCAL IDENT-I-FIER				STATION NUMBER	GEO-LOGIC UNIT 1/	DEPTH OF WELL, TOTAL (FEET)	DATE OF SAMPLE	TIME	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	TEMPER-ATURE, WATER (DEG C)	COLOR (PLAT-INUM COBALT UNITS)
				ALLEN PARISH								
AL- 22	6S	4W	20	303039092460701	112CHCT	271	80-08-21	--	163	--	--	--
AL- 237	5S	4W	21	303556092463101	112CHCT	223	80-06-12	--	170	--	--	--
					112CHCT	223	80-07-02	--	173	--	--	--
AL- 334	5S	3W	18	303655092431001	112CHCT	265	79-10-11 2/	1130	205	5.7	20.0	30
AL- 340	5S	6W	30	303504093013201	112CHCT	250	80-06-11	--	142	--	--	--
				BEAUREGARD PARISH								
BE- 99	3S	10W	4	305003093235001	112CHCT	188	80-06-11	--	45	--	--	--
					112CHCT	188	80-07-03	--	44	--	--	--
					112CHCT	188	80-08-26	--	45	--	--	--
BE- 456	4S	12W	3	304445093351701	112ALVL	83	80-08-26	--	106	--	--	10
BE- 457	5S	13W	25	303606093384201	112CHCT	155	80-08-26	--	240	--	--	40
				BIENVILLE PARISH								
BI- 214	16N	10W	1	322343093211501	124WLCX	159	79-10-12	1700	286	--	--	0
					124WLCX	159	80-07-02 3/	0920	289	--	--	--
BI- 215	15N	9W	20	321616093184201	124WLCX	244	79-10-18	1600	373	--	--	0
					124WLCX	244	80-07-02	1130	355	--	--	--
BI- 216	16N	6W	23	322119092572301	124SPRT	300	79-12-07	1415	71	--	--	15
BI- 232A	14N	6W	20	321047093004502	124SPRT	115	80-05-02	1100	38	5.8	19.5	0
BI- 232B	14N	6W	20	321047093004501	124WLCX	774	80-04-24	1344	419	7.4	26.5	5
BI- 233	14N	6W	20	321046093004401	124SPRT	88	80-04-24	1310	25	--	--	0
BI- 234	15N	9W	20	321616093184202	112UPTC	76	80-07-02	1500	53	--	--	0
BI- 235A	14N	7W	24	321039093023903	124WLCX	95	80-07-17	1330	40	7.7	20.0	0
BI- 235B	14N	7W	24	321039093023902	124WLCX	748	80-07-09	1230	970	8.9	--	20
BI- 235C	14N	7W	24	321039093023901	124WLCX	805	80-06-05	1100	642	8.9	--	25
				CLAIBORNE PARISH								
CL- 151	21N	4W	11	324908092443501	124SPRT	719	79-12-13	1600	647	--	--	20
				DE SOTO PARISH								
DS- 502	14N	12W	6	321331093374001	112UPTC	98	79-10-08	1230	989	6.2	20.0	0
				EVANGELINE PARISH								
EV- 18	6S	2W	12	303301092315801	112CHCT	275	80-08-05	--	--	--	22.0	--
EV- 678	5S	2W	31	303453092325201	112CHCT	240	80-08-05	--	--	--	21.0	--
EV- 696	5S	1W	26	303546092260001	112CHCT	260	80-08-05	--	--	--	23.0	--
				FRANKLIN PARISH								
FR- 49	14N	7E	26	321008091431701	112MRVA	80	80-09-10	0800	--	--	19.0	--
FR- 368	14N	7E	26	321011091431701	112MRVA	79	80-09-10	0745	--	--	19.0	--
				LA SALLE PARISH								
LA- 225	7N	3E	22	313351092090001	112PRIR	42	80-08-19	1100	3790	5.4	--	0
LA- 252A	9N	2E	20	314500092171003	122MOCN	595	80-01-30	1200	33	5.3	22.0	10
LA- 252B	9N	2E	20	314500092171002	122MOCN	860	80-01-22	1300	40	5.5	--	15
LA- 252C	9N	2E	20	314500092171001	122MOCN	1043	80-01-02	1330	36	5.6	--	5
LA- 252D	9N	2E	20	314500092171004	122MOCN	1388	80-02-14	1200	82	5.8	--	5

1/ See explanation of Geologic unit (aquifer) at end of table. 3/ Dissolved lead (Pb), 5 µg/L.
2/ Dissolved bromide (Br), .1 mg/L.

LOCAL IDENT-I-FIER				DATE OF SAMPLE	HARD-NESS (MG/L AS CACO3)	HARD-NESS, NONCAR-BONATE (MG/L CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	BICAR-BONATE (MG/L AS HCO3)	CAR-BONATE (MG/L AS CO3)	SULFATE DIS-SOLVED (MG/L AS SO4)
ALLEN PARISH--Continued													
AL- 22	6S	4W	20	80-08-21	--	--	--	--	--	--	--	--	--
AL- 237	5S	4W	21	80-06-12	--	--	--	--	--	--	--	--	--
				80-07-02	--	--	--	--	--	--	--	--	--
AL- 334	5S	3W	18	79-10-11	47	0	9.6	5.6	23	2.0	78	0	3.6
AL- 340	5S	6W	30	80-06-11	--	--	--	--	--	--	--	--	--
BEAUREGARD PARISH--Continued													
BE- 99	3S	10W	4	80-06-11	--	--	--	--	--	--	--	--	--
				80-07-03	--	--	--	--	--	--	--	--	--
				80-08-26	--	--	--	--	--	--	--	--	--
BE- 456	4S	12W	3	80-08-26	18	0	5.3	1.2	13	2.0	38	0	3.4
BE- 457	5S	13W	25	80-08-26	72	0	19	6.0	19	2.0	105	0	3.6
BIENVILLE PARISH--Continued													
BI- 214	16N	10W	1	79-10-12	100	0	32	6.1	21	2.0	174	0	2.0
				80-07-02	100	0	30	6.1	21	1.8	175	0	3.1
BI- 215	15N	9W	20	79-10-18	8	0	2.3	.6	88	1.6	221	0	2.4
				80-07-02	16	0	4.3	1.2	78	1.2	209	5	3.0
BI- 216	16N	6W	23	79-12-07	1	0	.3	.1	14	1.5	32	0	4.8
BI- 232A	14N	6W	20	80-05-02	7	0	2.1	.4	4.3	1.0	14	0	1.6
BI- 232B	14N	6W	20	80-04-24	2	0	.3	.3	87	3.0	190	0	8.6
BI- 233	14N	6W	20	80-04-24	4	3	1.0	.4	1.0	.8	2	0	1.0
BI- 234	15N	9W	20	80-07-02	12	0	2.4	1.5	3.5	1.0	20	0	.0
BI- 235A	14N	7W	24	80-07-17	10	1	3.1	.5	2.2	1.0	11	0	.0
BI- 235B	14N	7W	24	80-07-09	2	0	.6	.1	230	2.0	478	21	51
BI- 235C	14N	7W	24	80-06-05	2	0	.7	.1	160	1.0	356	10	16
CLAIBORNE PARISH--Continued													
CL- 151	21N	4W	11	79-12-13	0	0	.0	.0	140	1.1	286	0	1.4
DE SOTO PARISH--Continued													
DS- 502	14N	12W	6	79-10-08	280	0	70	24	110	2.4	364	0	18
EVANGELINE PARISH--Continued													
EV- 18	6S	2W	12	80-08-05	110	--	--	--	--	--	--	--	--
EV- 678	5S	2W	31	80-08-05	100	--	--	--	--	--	--	--	--
EV- 696	5S	1W	26	80-08-05	210	--	--	--	--	--	--	--	--
FRANKLIN PARISH--Continued													
FR- 49	14N	7E	26	80-09-10	300	--	--	--	--	--	--	--	--
FR- 368	14N	7E	26	80-09-10	270	--	--	--	--	--	--	--	--
LA SALLE PARISH--Continued													
LA- 225	7N	3E	22	80-08-19	230	220	50	25	640	85	13	0	.0
LA- 252A	9N	2E	20	80-01-30	8	0	1.8	.8	3.2	.1	9	0	1.4
LA- 252B	9N	2E	20	80-01-22	8	1	2.0	.7	2.3	.4	8	0	2.8
LA- 252C	9N	2E	20	80-01-02	8	0	2.1	.7	2.5	.3	10	0	3.4
LA- 252D	9N	2E	20	80-02-14	10	0	1.0	1.8	8.0	1.2	30	0	.8

LOCAL IDENTIFIER				DATE OF SAMPLE	CHLORIDE, DISSOLVED (MG/L AS CL)	FLUORIDE, DISSOLVED (MG/L AS F)	SILICA, DISSOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS NO3)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N)	IRON, DISSOLVED (UG/L AS FE)	MANGANESE, DISSOLVED (UG/L AS MN)
ALLEN PARISH--Continued													
AL- 22	6S	4W	20	80-08-21	17	--	--	--	--	--	--	--	--
AL- 237	5S	4W	21	80-06-12	17	--	--	--	--	--	--	--	--
				80-07-02	16	--	--	--	--	--	--	--	--
AL- 334	5S	3W	18	79-10-11	20	.2	49	166	161	.11	--	10000	440
AL- 340	5S	6W	30	80-06-11	17	--	--	--	--	--	--	--	--
BEAUREGARD PARISH--Continued													
BE- 99	3S	10W	4	80-06-11	4.4	--	--	--	--	--	--	--	--
				80-07-03	4.5	--	--	--	--	--	--	--	--
				80-08-26	5.3	--	--	--	--	--	--	--	--
BE- 456	4S	12W	3	80-08-26	9.8	.1	57	114	114	.88	--	2400	140
BE- 457	5S	13W	25	80-08-26	20	.2	51	182	176	.82	--	2000	350
BIENVILLE PARISH--Continued													
BI- 214	16N	10W	1	79-10-12	4.1	.1	31	203	185	.24	--	300	110
				80-07-02	5.0	.2	34	186	187	--	.00	300	100
BI- 215	15N	9W	20	79-10-18	8.2	.3	16	255	228	.10	--	40	0
				80-07-02	8.3	.2	13	218	212	--	.04	--	--
BI- 216	16N	6W	23	79-12-07	2.0	.1	37	70	76	.13	--	60	0
BI- 232A	14N	6W	20	80-05-02	1.7	.1	14	35	34	2.0	--	60	0
BI- 232B	14N	6W	20	80-04-24	22	.2	41	263	257	.50	--	700	10
BI- 233	14N	6W	20	80-04-24	.8	.2	10	27	16	4.7	--	30	0
BI- 234	15N	9W	20	80-07-02	2.6	.1	27	53	50	1.7	--	10	470
BI- 235A	14N	7W	24	80-07-17	1.0	.0	8.5	31	28	6.5	--	20	0
BI- 235B	14N	7W	24	80-07-09	12	.6	12	585	569	1.4	--	50	0
BI- 235C	14N	7W	24	80-06-05	10	.4	13	390	383	1.2	--	50	0
CLAIBORNE PARISH--Continued													
CL- 151	21N	4W	11	79-12-13	56	.3	15	372	355	.31	--	40	0
DE SOTO PARISH--Continued													
DS- 502	14N	12W	6	79-10-08	150	.1	28	585	582	.35	--	210	50
EVANGELINE PARISH--Continued													
EV- 18	6S	2W	12	80-08-05	--	--	--	--	--	--	--	2200	300
EV- 678	5S	2W	31	80-08-05	--	--	--	--	--	--	--	4500	520
EV- 696	5S	1W	26	80-08-05	--	--	--	--	--	--	--	970	210
FRANKLIN PARISH--Continued													
FR- 49	14N	7E	26	80-09-10	170	--	--	--	--	--	--	--	--
FR- 368	14N	7E	26	80-09-10	180	--	--	--	--	--	--	--	--
LA SALLE PARISH--Continued													
LA- 225	7N	3E	22	80-08-19	1200	.0	21	2130	2070	4.7	--	32000	5900
LA- 252A	9N	2E	20	80-01-30	4.1	.1	11	32	27	.10	--	800	30
LA- 252B	9N	2E	20	80-01-22	2.6	.0	16	36	32	.33	--	1000	30
LA- 252C	9N	2E	20	80-01-02	2.0	.1	10	24	27	.21	--	950	50
LA- 252D	9N	2E	20	80-02-14	5.0	.0	12	50	49	.14	--	4200	52

LOCAL IDENT-I-FIER				STATION NUMBER	GEO-LOGIC UNIT 1/	DEPTH OF WELL, TOTAL (FEET)	DATE OF SAMPLE	TIME	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	TEMPER-ATURE, WATER (DEG C)	COLOR (PLAT-INUM COBALT UNITS)
					NATCHITOCHES PARISH							
NA- 480	6N	4W	12	313115092433501	122CTHL	185	80-07-15	1330	16300	7.0	--	0
NA- 481	6N	4W	12	313115092433502	112RRVA	112	80-07-15	1500	1830	7.1	21.0	5
NA- 482	6N	4W	12	313115092433401	122CTHL	233	80-07-15	1245	18900	6.4	--	10
NA- 485	6N	4W	12	313110092432801	122CTHL	216	80-07-23	1430	18400	6.3	--	5
					122CTHL	216	80-07-31	0930	18800	7.5	22.0	0
					RICHLAND PARISH							
RI- 110	17N	9E	24	322654091294101	112MRVA	67	80-03-05	1130	--	--	--	--
RI- 111	17N	9E	23	322634091303901	112MRVA	67	80-03-05	1100	--	--	--	--
					112MRVA	67	80-09-09	1445	--	--	--	--
RI- 112	17N	9E	24	322623091294901	112MRVA	67	80-03-05	1330	--	--	--	--
					112MRVA	67	80-09-09	1345	--	--	--	--
RI- 114	17N	9E	24	322636091295702	112MRVA	66	80-03-05	--	--	--	--	--
					112MRVA	66	80-09-09	1430	--	--	--	--
RI- 124	17N	9E	25	322605091301101	112MRVA	84	80-03-05	1430	--	--	--	--
					112MRVA	84	80-09-09	1500	--	--	--	--
RI- 211	18N	9E	8	323359091335801	124CCKF	419	80-03-25	1200	993	7.4	21.0	0
					WEBSTER PARISH							
WB- 400	19N	9W	9	323859093173601	124SPRT	462	79-12-17	1230	246	6.2	21.0	5
					WINN PARISH							
W- 176	9N	5W	15	314513092515101	124SPRT	755	79-10-17	1430	745	7.7	28.0	0
W- 177	11N	3W	34	315338092400001	124SPRT	695	79-11-06	1600	1280	--	--	150
W- 178	12N	3W	22	320040092392101	124SPRT	598	79-11-26	1500	1030	--	--	20
W- 179	12N	1W	29	315948092300301	124SPRT	585	79-11-30	1500	1370	--	--	50

1/ See explanation of Geologic unit (aquifer) at end of table.

LOCAL IDENT-I-FIER				DATE OF SAMPLE	HARD-NESS (MG/L AS CACO3)	HARD-NESS, NONCAR-BONATE (MG/L CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	BICAR-BONATE (MG/L AS HCO3)	CAR-BONATE (MG/L AS CO3)	SULFATE DIS-SOLVED (MG/L AS SO4)
NATCHITOCHES PARISH--Continued													
NA- 480	6N	4W	12	80-07-15	2200	2000	630	140	3000	44	150	0	10
NA- 481	6N	4W	12	80-07-15	590	30	150	51	180	5.0	683	0	92
NA- 482	6N	4W	12	80-07-15	2500	2300	720	170	3500	53	177	0	6.2
NA- 485	6N	4W	12	80-07-23	2600	2500	720	190	3300	52	141	0	44
				80-07-31	2500	2400	740	160	3300	53	145	0	39
RICHLAND PARISH--Continued													
RI- 110	17N	9E	24	80-03-05	440	--	--	--	--	--	--	--	43
RI- 111	17N	9E	23	80-03-05	410	--	--	--	--	--	--	--	32
				80-09-09	410	--	--	--	--	--	--	--	--
RI- 112	17N	9E	24	80-03-05	440	--	--	--	--	--	--	--	15
				80-09-09	410	--	--	--	--	--	--	--	--
RI- 114	17N	9E	24	80-03-05	360	--	--	--	--	--	--	--	11
				80-09-09	450	--	--	--	--	--	--	--	--
RI- 124	17N	9E	25	80-03-05	530	--	--	--	--	--	--	--	22
				80-09-09	550	--	--	--	--	--	--	--	--
RI- 211	18N	9E	8	80-03-25	78	0	20	6.8	250	6.0	464	0	23
WEBSTER PARISH--Continued													
WB- 400	19N	9W	9	79-12-17	28	0	8.3	1.8	45	3.0	129	0	9.6
WINN PARISH--Continued													
W- 176	9N	5W	15	79-10-17	150	0	54	4.2	83	5.6	206	0	9.6
W- 177	11N	3W	34	79-11-06	4	0	.8	.5	300	2.2	550	10	2.0
W- 178	12N	3W	22	79-11-26	1	0	.2	.1	220	1.4	293	2	4.8
W- 179	12N	1W	29	79-11-30	3	0	1.0	.1	320	2.8	409	5	3.6

LOCAL IDENT- I- FIER				DATE OF SAMPLE	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L)	NITRO- GEN, NITRATE TOTAL (MG/L AS NO3)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N)	IRON, DIS- SOLVED (UG/L AS FE)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)
NATCHITOCHES PARISH--Continued													
NA- 480	6N	4W	12	80-07-15	6000	.3	25	11000	9930	.35	--	710	2400
NA- 481	6N	4W	12	80-07-15	220	.7	28	1060	1070	.16	--	4700	830
NA- 482	6N	4W	12	80-07-15	7200	.2	27	13000	11700	1.2	--	8600	2900
NA- 485	6N	4W	12	80-07-23	6800	.2	24	12600	11200	.38	--	6200	2500
				80-07-31	7000	.2	25	12800	11400	.33	--	6200	2600
RICHLAND PARISH--Continued													
RI- 110	17N	9E	24	80-03-05	150	--	--	--	--	--	--	--	--
RI- 111	17N	9E	23	80-03-05	170	--	--	--	--	--	--	--	--
				80-09-09	160	--	--	--	--	--	--	--	--
RI- 112	17N	9E	24	80-03-05	530	--	--	--	--	--	--	--	--
				80-09-09	540	--	--	--	--	--	--	--	--
RI- 114	17N	9E	24	80-03-05	780	--	--	--	--	--	--	--	--
				80-09-09	770	--	--	--	--	--	--	--	--
RI- 124	17N	9E	25	80-03-05	180	--	--	--	--	--	--	--	--
				80-09-09	200	--	--	--	--	--	--	--	--
RI- 211	18N	9E	8	80-03-25	130	.2	20	608	685	.40	--	360	62
WEBSTER PARISH--Continued													
WB- 400	19N	9W	9	79-12-17	5.8	.2	24	172	163	.10	--	1200	60
WINN PARISH--Continued													
W- 176	9N	5W	15	79-10-17	120	.0	25	415	402	.09	--	100	110
W- 177	11N	3W	34	79-11-06	120	1.1	13	760	721	.23	--	80	0
W- 178	12N	3W	22	79-11-26	160	.2	12	591	545	.37	--	30	0
W- 179	12N	1W	29	79-11-30	230	.8	13	782	778	.57	--	50	10

Geologic unit (aquifer):

112ALVL-Alluvial aquifers, undifferentiated, Pleistocene age.
112CHCT-Chicot aquifer, Pleistocene age.
112MRVA-Mississippi River alluvial aquifer, Pleistocene age.
112PRIR-Prairie Formation, Pleistocene age.
112RRVA-Red River alluvial aquifer, Pleistocene age.
112UPTC-Upland terrace deposits, Pleistocene age.
122CTHL-Catahoula Formation, Miocene age.
122MOCN-Miocene Series, Miocene age.
124CCKF-Cockfield Formation, Eocene age.
124SPRT-Sparta Sand, Eocene age.
124WLCX-Wilcox Group, Eocene age.

TRACE-METAL ANALYSES, OCTOBER 1979 TO SEPTEMBER 1980

LOCAL IDENT-I-FIER	STATION NUMBER	DATE OF SAMPLE	ALUM-INUM, DIS-SOLVED (UG/L AS AL)	ANTI-MONY, DIS-SOLVED (UG/L AS SB)	ARSENIC DIS-SOLVED (UG/L AS AS)	BARIUM, DIS-SOLVED (UG/L AS BA)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE)	CADMIUM DIS-SOLVED (UG/L AS CD)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR)
BIENVILLE PARISH									
BI- 214 16N 10W 1	322343093211501	80-07-02	0	0	0	100	<1	1	0
LA SALLE PARISH									
LA- 252A 9N 2E 20	314500092171003	80-01-30	0	2	0	9	<1	<1	0
LA- 252C 9N 2E 20	314500092171001	80-01-02	10	2	0	10	<1	<1	0
LA- 252D 9N 2E 20	314500092171004	80-02-14	0	2	0	100	--	0	0

LOCAL IDENT-I-FIER	COBALT, DIS-SOLVED (UG/L AS CO)	COPPER, DIS-SOLVED (UG/L AS CU)	LEAD, DIS-SOLVED (UG/L AS PB)	LITHIUM DIS-SOLVED (UG/L AS LI)	MERCURY DIS-SOLVED (UG/L AS HG)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO)	NICKEL, DIS-SOLVED (UG/L AS NI)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)	SILVER, DIS-SOLVED (UG/L AS AG)	ZINC, DIS-SOLVED (UG/L AS ZN)
BIENVILLE PARISH--Continued										
BI- 214 16N 10W 1	3	0	2	20	.1	<10	2	0	0	160
LA SALLE PARISH--Continued										
LA- 252A 9N 2E 20	<3	18	2	<4	.0	<10	1	0	0	20
LA- 252C 9N 2E 20	<3	10	2	<4	.0	<10	6	1	0	20
LA- 252D 9N 2E 20	0	1	0	0	.0	0	0	0	1	220

RADIOCHEMICAL ANALYSES, OCTOBER 1979 TO SEPTEMBER 1980

LOCAL IDENT-I-FIER	DATE OF SAMPLE	GROSS ALPHA, DIS-SOLVED (UG/L AS U-NAT)	GROSS ALPHA, DIS-SOLVED (PCI/L AS U-NAT)	GROSS BETA, DIS-SOLVED (PCI/L AS CS-137)	GROSS BETA, DIS-SOLVED (PCI/L AS SR/YT-90)	CESIUM 137 DIS-SOLVED (PCI/L)
LA SALLE PARISH						
LA- 252A 9N 2E 20	80-01-30	1.2	.8	.8	.8	<1.0
LA- 252C 9N 2E 20	80-01-02	2.1	1.4	1.4	1.4	<1.0
LA- 252D 9N 2E 20	80-02-14	9.1	6.2	3.1	3.2	<1.0

LOCAL IDENT-I-FIER	RADIUM 226, DIS-SOLVED, RADON METHOD (PCI/L)	STRON-TIUM 90 DIS-SOLVED (PCI/L)	TRITIUM TOTAL (PCI/L)	URANIUM NATURAL DIS-SOLVED (UG/L AS U)
LA SALLE PARISH--Continued				
LA- 252A 9N 2E 20	.17	<.4	--	<.6
LA- 252C 9N 2E 20	.31	<.4	<24	<.6
LA- 252D 9N 2E 20	.97	<.4	<24	<.6

< Actual value is known to be less than the value shown.

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October 1, 1978

FACTORS FOR CONVERTING INCH-POUND UNITS TO INTERNATIONAL SYSTEM UNITS (SI)

The following factors may be used to convert the inch-pound units published herein to the International System of Units (SI). This report contains both the inch-pound and SI unit equivalents in the station manuscript descriptions.

Multiply inch-pound units	By	To obtain SI units
	Length	
inches (in)	2.54×10^{1}	millimeters (mm)
	2.54×10^{-2}	meters (m)
feet (ft)	3.048×10^{-1}	meters (m)
miles (mi)	1.609×10^{0}	kilometers (km)
	Area	
acres	4.047×10^{3}	square meters (m^2)
	4.047×10^{-1}	square hectometers (hm^2)
	4.047×10^{-3}	square kilometers (km^2)
square miles (mi^2)	2.590×10^{0}	square kilometers (km^2)
	Volume	
gallons (gal)	3.785×10^{0}	liters (L)
	3.785×10^{0}	cubic decimeters (dm^3)
	3.785×10^{-3}	cubic meters (m^3)
million gallons	3.785×10^{3}	cubic meters (m^3)
	3.785×10^{-3}	cubic hectometers (hm^3)
cubic feet (ft^3)	2.832×10^{1}	cubic decimeters (dm^3)
	2.832×10^{-2}	cubic meters (m^3)
cfs-days	2.447×10^{3}	cubic meters (m^3)
	2.447×10^{-3}	cubic hectometers (hm^3)
acre-feet (acre-ft)	1.233×10^{3}	cubic meters (m^3)
	1.233×10^{-3}	cubic hectometers (hm^3)
	1.233×10^{-6}	cubic kilometers (km^3)
	Flow	
cubic feet per second (ft^3/s)	2.832×10^{1}	liters per second (L/s)
	2.832×10^{1}	cubic decimeters per second (dm^3/s)
	2.832×10^{-2}	cubic meters per second (m^3/s)
gallons per minute (gal/min)	6.309×10^{-2}	liters per second (L/s)
	6.309×10^{-2}	cubic decimeters per second (dm^3/s)
	6.309×10^{-5}	cubic meters per second (m^3/s)
million gallons per day	4.381×10^{1}	cubic decimeters per second (dm^3/s)
	4.381×10^{-2}	cubic meters per second (m^3/s)
	Mass	
tons (short)	9.072×10^{-1}	megagrams (Mg) or metric tons